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Asbestos Analyses of Crushed Stone Samples

IIT Research Inst.
Chicago, IL

Prepared for

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16. ABSTRACT

The purpose of this study was to determine the presence and concentration of asbestiform minerals in seven (7) rock quarries. Generally, each of the participating quarries submitted samples of its product for analysis on a weekly basis for approximately twelve (12) weeks. A representative aliquot was obtained from each sample and consecutive weekly samples were composited. Analysis of the samples was performed on a transmission electron microscope, using morphology and selected area electron diffraction patterns as primary criteria, with the aid of non-dispersive x-ray spectra on difficult or selected fibers. Each fiber observed was categorized and sized. The size data was used to compute mass estimates for chrysotile and amphibole fibers. The concentration of chrysotile or amphibole was computed on a weight percent basis. Several of the quarries were found to contain asbestos.

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Asbestos Analyses of Crushed Stone Samples

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SECTION 3

PROCEDURES

SAMPLE LOG-IN AND CODING

The samples analyzed on this program were taken by each of the quarries at the request of the U.S. Environmental Protection Agency. Six of the sample sets were shipped directly to the IIT Research Institute (IITRI) on a weekly basis. The seventh sample set (from the Cardinal Stone Company) was shipped as a single lot. The samples were half of each weekly sample (split using an ASTM C-702-71T procedure) originally sent to Geological Resources, Inc. The samples for alternate weeks were assigned a common code, but were designated A or B, since these samples were composited after the moisture determination when the code number identified the composite sample. Samples prepared by a second technique were coded as they were prepared. All codes were based on the IITRI project number, the logbook sequence number, the logbook page number, and the sample sequence number on the page. All analysis of the samples was done using only code numbers for identification. The analyst(s) had no knowledge as to the origin or identity of the samples run.

SAMPLE PREPARATION

In the paragraphs below, the treatment of quarry rock samples from log-in to submission for specimen preparation are described. The procedures used were, sequentially:

- Splitting of As-Received Samples
- Drying of Aliquot
- Composite Sample Formation
- Sieving of Dried Composite
- Tumbling of +½ Mesh Sample (selected samples only)

Splitting and Drying of Aliquot

The samples as received were split using a mechanical chute riffler in accordance with ASTM C-702-71T. Samples of approximately 5 kg were obtained

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Asbestos Analyses of Crushed Stone Samples

by

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10 West 35th Street
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Contract No. 68-02-2617
Work Assignment No. 5

EPA Project Officer: Gilbert H. Wood

Industrial Studies Branch
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Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
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Office of Air Quality Planning and Standards
Research Triangle Park, N.C. 27711

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PREFACE

On November 10, 1977 the EPA announced its intention to study the crushed stone industry to determine the extent of quarrying operations in serpentinite rock deposits, the asbestos content of the rock produced, and the exposure of the public to any emissions from usage of these rocks.

The EPA requested state geologists to then identify rock quarries operating in serpentinite deposits. State geologists, on the basis of inspection and/or reports, indicated the presence of chrysotile at eight quarries and the possibility of chrysotile being present at several other quarries. The EPA directed the eight quarries where chrysotile was definitely present to collect and ship samples to IIT Research Institute (IITRI) on a weekly basis for electron microscopy analysis of the rocks' asbestos content. The EPA directed quarries, where the presence of chrysotile was possible, to submit samples to Geological Resources, Incorporated for petrographic analysis for chrysotile. The presence of chrysotile was detected petrographically in samples from the Cardinal Stone Company quarry. The weekly samples had been split, and the unused halves of the samples were shipped as a single lot of samples to IITRI for electron microscopy. Two of the quarries originally directed to ship samples to IITRI did not participate in the program; thus, the addition of this sample set brought the number of quarries analyzed to seven.

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TABLE 1. SUMMARY OF RESULTS (CHRYSOTILE)

Sample Code	Weeks	Mass of Sample on Filter (μg)	Area of Filter Examined (10^{-6}cm^2)	Chrysotile Fibers: Fiber Count	Chrysotile Fibers: Estimated on Filter (10^6 fibers)	Chrysotile Fibers: Total Mass of Fibers on Filter (nanograms)	Chrysotile Fibers: Fiber Concentration (weight %)
C6390C05-							
RAISCH PRODUCTS CO., AZEVEDO QUARRY							
010501	1,2	13	72	99	13.2	1,250.0	10.00
011301*	1,2	11	72	81	10.8	172.8	1.60
010502	3,4	10	72	67	8.9	153.6	1.50
010503	5,6	26	72	130	17.3	134.4	0.52
030202*	5,6	18	72	84	11.2	80.4	0.45
010504	7,8	25	72	90	12.0	182.4	0.74
HILLSDALE ROCK CO., HILLSDALE QUARRY:							
010601*	1,2	32	72	60	8.0	79.7	0.25
011401	1,2	110	72	73	9.7	422.4	0.38
010602	3,4	24	72	96	12.8	652.8	2.70
010603	5,6	16	72	119	15.9	201.6	1.30
031101*	5,6	14	144	71	4.7	73.0	0.52
010604	7,8	37	144	85	5.7	62.4	0.17
010605	9,10	14	72	69	9.2	134.4	0.93
010606	11,12	23	72	131	17.5	268.8	1.20
D.M. STOLTZFUS & SON, CEDAR HILL PLANT							
010701	1,2	18	216	55	2.4	79.7	0.44
031001*	1,2	17	216	97	4.3	55.7	0.33
010702	3,4	22	216	82	3.6	163.2	0.74
010703	5,6	25	72	105	14.0	297.6	1.20
040301*	5,6	35	72	88	11.7	153.6	0.44
010704	7,8	20	72	69	9.2	115.0	0.56
010705	9,10	27	72	83	11.1	230.4	0.85
010706	11,12	13	144	95	6.3	316.8	2.40

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* Tumbled samples.

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SECTION 1
INTRODUCTION

The United States Environmental Protection Agency (USEPA) has undertaken an investigation into the concentration, releasability, and emissions of asbestos from the preparation and use of rock quarry products.[1] The program described in the following report is one part of that effort. The USEPA initially selected eight quarries for electron microscopy analysis. Additional quarries, located in areas where the geology and mineralogy indicated a reasonable possibility that chrysotile could be present, were selected for petrographic analysis.[2] Each quarry sampled the 1½" nominal top size crusher run using a random sampling technique. A sample of not less than 85 kg was obtained weekly and was split using the ASTM C-702-71T. Six of the eight quarries initially selected shipped the resulting 9 kg sample directly to IITRI for electron microscopy analysis. After the presence of chrysotile had been indicated by petrographic analysis, Geological Resources, Inc. shipped a seventh set to IITRI.

After subdividing, drying, and sieving, samples were prepared for analysis using electron microscope (EM) procedures developed for ambient air measurements. The EM procedures used identify fibers using morphology and qualitative selected area diffraction patterns as primary criteria. Non-dispersive x-ray spectra are also used as needed to aid in fiber identification. No data on the non-fibrous particulates are obtained using this technique.

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[1] Federal Register, 40 CFR, Part 61, p. 58543, Nov. 10, 1977.

[2] Mr. G.H. Wood, USEPA, Industrial Studies Branch, personal communication.

SECTION 2

CONCLUSIONS

The first quarry, operated by Ghilotti Brothers, Inc., consistently shows 0.1-1.4% chrysotile content in the powder. The two tumbled samples (030501 and 040201) show that the chrysotile is releasable from the surface of the larger rocks. The amphibole counts are of low statistical significance, ranging from 0 to 2.3%.

The samples from the quarry operated by Rockville Crushed Stone, Inc. are consistent for chrysotile with concentrations from 0.03 to 0.43%. The tumbled samples contain lower concentrations of asbestos. The amphibole counts show variation from 0 to 0.48%, although the counts are statistically valid in several of the samples. This indicates some natural variation within the quarry.

The samples sent by the Cardinal Stone Co. show consistent chrysotile concentration from 0.02 to 0.30% and amphibole concentration from 0 to 1.6%. In one sample, one very large, nearly prismatic (Aspect Ratio 3.8:1) fiber was found, resulting in a concentration of 52% amphibole. This value for amphibole mass is statistically anomalous and should not be used without caution.

The samples from Raisch Products' Azevedo Quarry shows variability in chrysotile content. The concentration is 0.5-1.6%. The amphibole concentration appears to be very low, from the detection limit to 0.25%.

Chrysotile fibers are present in the rocks from Hillsdale Rock Co. The percentage of chrysotile varied from 0.2-2.7%. The amphibole concentration is low, ranging from below the detection limit to 0.03%.

The samples from the D.M. Stoltzfus & Son's Cedar Hill Plant are very similar to the Hillsdale Quarry samples. The chrysotile concentration was

0.3-2.4%. Amphiboles were present in some samples, ranging from 0 to 0.5%.

The samples from the Arundel Corporation's Delight Plant contained from 0.03-2.4% chrysotile. The amphibole concentrations measured varied from 0 to 2.3% in this sample set.

using the chute riffler. These samples were dried to constant weight at 105° ± 5°C in aluminum pans. After obtaining a constant weight, the A and B portions of each code number were combined to form a composite.

Sieving of Dried Composite Sampling

The composites were each graded by size on a ½" U.S. Standard Sieve using a Gilson Soil Test shaker. The sieving operation separated the -½" rocks from the larger rocks, and the vigorous shaking action mixed the composited sample.

The -½" mesh fraction was split using a mechanical chute riffler. A 0.5 kg aliquot of the -½" mesh fraction was then sieved on an 8" diameter, 140 mesh U.S. Standard Sieve. A 2-3 g aliquot of the fines was obtained for preparation of the electron microscopy samples using a rotary riffler.

Tumbling of +½" Mesh Rock Chips

An experimental procedure was designed by the EPA to measure the "releasability" of fibers by abrasion. In this experiment, rocks were brought into contact with each other by tumbling in a jar. For each quarry participating, two 0.5 kg aliquots of +½" mesh rocks were obtained by mechanical chute riffling. The first aliquot represented the first two weeks, and the second aliquot the fifth and sixth weeks of the sampling program. Each 0.5 kg aliquot was assigned a code number and a sample obtained for EM analysis as described below.

The 0.5 kg aliquot was placed in a freshly cleaned and dried ceramic ball mill jar (size 00). It was autogenously milled for one hour. The material was removed from the mill onto a No. 10 U.S. Standard Sieve, the sieve shaken for a few minutes, and the fine powder obtained was submitted for electron microscopy analysis under the code number assigned to the +½" mesh fraction. The untreated rocks were stored and the milled portion of the rocks discarded.

ELECTRON MICROSCOPY SAMPLE PREPARATION PROCEDURE

The basic procedures used to analyze the samples are documented in *Electron Microscopy Measurement of Airborne Asbestos Concentrations: A Provisional Methodology Manual.*[1] Prior to the sample procedures described in the

[1] EPA-600/2-77-178. Available from USEPA, ORD Tech. Info. Staff, Cincinnati, Ohio 45268, Samudra, A., *et al.*

manual, further size reduction was performed on each sample.

A small sample (~5 mg) of the powder was placed in an agate mortar. A 0.1 ml aliquot of amyl acetate was mixed with the sample, and the sample was ground with an agate pestle until the amyl acetate had evaporated and the sample appeared dry. The powder was recovered by quantitative rinsing (with a 50-50 prefiltered water-alcohol mixture) of both the pestle and mortar. The sample was dispersed by treatment in an ultrasonic bath for 10 minutes. The sample was then diluted to a standard volume, and an aliquot of the sample was deposited on a 0.1 μm pore size Nuclepore ® membrane filter. A 3.0 μm pore size Millipore ® cellulose ester membrane was used as a back-up filter to aid in obtaining uniform dispersion of the powder across the area filtered.

During the course of the project it was found helpful, for both the preparation and analysis, to allow a 1 minute sedimentation period immediately prior to removal of the aliquot. This allowed the large (>40 μm diameter) particles to settle below the sampling zone, which facilitated both dissolution of the Nuclepore ® membrane and the obscuration of grid openings by the large particles. Since fibers tend to settle by diameter, and asbestiform minerals have small diameters, IITRI believes that no significant loss of respirable fibers results from this step.

The membrane onto which the sample is deposited was air-dried overnight in a Class 100 clean workbench; a wedge-shaped portion of the filter was cut, carbon-coated, and a 0.3 mm diameter circle was then removed with a punch from the wedge for transfer to a 200 mesh copper transmission electron microscopy grid. The Jaffe washer technique was used to transfer the sample to the grid.

In the Jaffe washer technique, a stack of 40 clean, 5.5 cm diameter, paper filters is placed in a clean glass petri dish. Spectroscopic grade chloroform is then added until the level is at the top of the stack of filter paper. Several small (but larger than the 0.3 mm diameter grid) pieces of 60 or 100 mesh stainless steel (SS) screen are placed on the stack of filter paper. An orientation mark is placed on the outside of the petri dish, and a "map" showing the location of each piece of SS mesh is drawn. A sample to be transferred is placed, carbon-coated side down, onto a transmission elec-

tron microscope grid and the pair is placed on the center of a piece of SS mesh. The sample identification is noted on the "map". The procedure is repeated until the washer is filled or all samples to be prepared are in place.

The chloroform level is maintained at the top surface of the stack of filter paper for the 24-72 hours required to dissolve the Nuclepore® membrane. The preparation is completed by allowing the residual chloroform to evaporate from the grid, then placing the grid in a labeled grid storage box. All of the procedures described are performed in a Class 100 clean workbench.

ELECTRON MICROSCOPY ANALYSIS PROCEDURES

The prepared samples are examined using a JEOL 100C analytical electron microscope. The electron microscope (EM) is used in the transmission mode to screen the sample prior to the analysis and to perform the enumeration and sizing of each fiber located in the selected grid opening(s). The scanning transmission electron microscope (STEM) mode is used to obtain non-dispersive x-ray data at a tilt angle of 40°.

Prior to analysis of the sample, it is inspected at low (500X) magnification to assure that the majority (80 percent or more) of the grid openings are clear and the carbon film intact. The particle loading is also determined at this time. Any sample found overloaded, damaged, or not adequately cleared is not used in the analytical process, but is reprepared from either the original suspension or the filter, as appropriate.

The accepted preparations are immediately counted by randomly selecting a grid opening(s) and counting, sizing and classifying each fiber found in the grid opening. The fibers are classified as:

- chrysotile asbestos
- amphibole asbestos
- not asbestos
- ambiguous
- no pattern

based on morphology and the selected area diffraction (SAED) pattern. The SAED patterns are not recorded (except a few for documentation) or indexed. The comparison is visual and if the pattern is obviously compatible with one of the asbestos minerals, the fiber is so classified. When a fiber is on

the borderline, a non-dispersive x-ray pattern is often used as an aid in the classification.

Similarly, fibers whose SAED pattern characteristics differ significantly from asbestos pattern characteristics are classified as "not asbestos", and those providing no pattern[1] or indeterminate patterns are classified as "no pattern" or "ambiguous" fibers, respectively. This data, together with the size data taken for each fiber, is reported for each fiber observed.

The fiber enumeration and sizing is continued until approximately 100 fibers have been measured or 10 grid openings have been examined.

The measured sizes of each fiber classified as chrysotile or amphibole are used to estimate the mass of the fiber. The mass of the fiber is estimated using the following equation which assumes a cylindrical shape.

$$M_f = \frac{\ell}{16}\left(\frac{w}{16}\right)^2\frac{\pi}{4}\rho$$

where:

M_f = estimated mass of the fiber, fg

ℓ = length, mm†

w = width, mm†

ρ = density, 2600 $\frac{fg}{\mu m^3}$ for chrysotile, 3000 $\frac{fg}{\mu m^3}$ for amphibole.

16 = the magnification†

[1] Fibers which are too close to another particle or to the edge of the grid frequently are "ambiguous".

† Since 1 mm = 1000 μm, and the magnification is 16,000X,

$$\frac{1000 \times mm}{16{,}000} = \frac{mm}{16} = \mu m$$

SECTION 4

RESULTS

The results of the program are the analyses of the samples and the supporting data. The analyses are summarized in Tables 1-3, where data on the quantity of powder deposited, the area analyzed and the fiber counts are given by chrysotile, amphibole and "others". Also provided is the estimated number of fibers on the filter, the estimated mass on the filter and the weight % for each of the chrysotile and amphibole fiber types in each sample.

$$\text{Wt \%} = 10^5 \frac{\text{Mass of Fiber on Filter } (10^{-9}\text{g})}{\text{Mass of Sample on Filter } (10^{-6}\text{g})}$$

The ratio between the number of fibers counted and the total number on the filter is the ratio of the area counted to the filter area, 9.6 cm^2; e.g., for Sample 010401, Table 1, line 1:

$$75 \times \frac{9.6 \text{ cm}^2}{72 \times 10^{-6}\text{cm}^2} = 10 \times 10^6$$

Some of the variation in the weight % numbers reported will be due to natural variation in the quarried minerals; however, some variation is introduced by the analytical method. The precision of measurement for the total mass on the filter is ±5%. The precision of the EPA Provisional Method is ±10% for one operator, and ±20% for two different operators, as were used during the analyses of the crushed stone samples. The estimated precision in the weight % values generated is ±20%.

The detailed data on each sample is tabulated in Appendix A, Tables A-1 to A-52.

The data on the sieving and the powder tumbling is presented in Tables 4 to 10, where the data is organized by quarry. Table 11 contains the record by sample and fiber number of the electron micrographs taken during the analyses. Selected micrographs and/or non-dispersive x-ray spectra are

presented in Appendix B, Figures B-1 to B-52.

In the appendix, all diameter values are rounded to the nearest 0.05 μm on the following basis. The diameter is visually estimated to the nearest 0.5 mm. Since this can be either a plus or minus value, the precision is estimated as

$$\frac{1\ \text{mm} \left| \frac{10^3\ \mu\text{m}}{\text{mm}} \right|}{16{,}000\text{X magnification}} \quad \text{or about } 0.06\ \mu\text{m}$$

The rounding is carried out after completion of all calculations. This can give rise to wide discrepancies in the tabulated aspect ratio and the ℓ/d ratio taken from the tables.

To illustrate an extreme, one fiber having a diameter of 0.025 and another with a diameter of 0.074 would both be tabulated as 0.05 μm diameter. If they have the same length, the ratio of the tabulated aspect ratios would be:

$$\frac{0.074}{0.025} \sim 3.$$

Thus variations of this magnitude may be present in the tables in Appendix A.

TABLE 1. SUMMARY OF RESULTS (CHRYSOTILE)

Sample Code	Weeks	Mass of Sample on Filter (μg)	Area of Filter Examined ($10^{-6}cm^2$)	Chrysotile Fibers: Fiber Count	Chrysotile Fibers: Estimated on Filter (10^6 fibers)	Chrysotile Fibers: Total Mass of Fibers on Filter (nanograms)	Chrysotile Fibers: Fiber Concentration (weight %)
C6390C05-							
GHILOTTI BROTHERS, INC.:							
010401	1,2	15	72	75	10.0	211.2	1.40
030501*	1,2	23	72	60	8.0	211.2	0.92
010402	3,4	26	72	85	11.3	105.6	0.13
010403	5,6	22	72	114	15.2	89.3	0.40
040201*	5,6	35	72	43	5.7	211.4	0.62
010404	7,8	18	72	99	13.2	96.0	0.54
010405	9,10	38	72	99	13.2	134.4	0.36
ROCKVILLE CRUSHED STONE, INC.:							
010201	1,2	110	72	98	13.1	240.0	0.22
012101*	1,2	120	144	37	2.5	73.0	0.06
010202	3,4	34	216	84	3.7	41.3	0.12
010203	5,6	64	72	85	11.3	278.4	0.43
031401*	5,6	22	720	20	0.3	6.7	0.03
010204	7,8	30	144	94	6.3	81.6	0.27
010205	9,10	23	144	65	4.3	54.7	0.24
010206	11,12	22	144	64	4.3	32.6	0.15
CARDINAL STONE CO.:							
010301	1,2	15	720	17	0.2	1.9	0.02
042501*	1,2	14	720	7	0.1	2.9	0.02
010302	3,4	12	720	27	0.4	7.7	0.06
010303	5,6	10	720	26	0.3	3.8	0.04
060103*	5,6	8	504	71	1.4	8.6	0.06
010304	7,8	3	432	27	0.6	5.6	0.21
010305	9,10	12	216	69	3.1	36.5	0.30

(continued)

* Tumbled samples.

TABLE 1. (continued)

Sample Code	Weeks	Mass of Sample on Filter (µg)	Area of Filter Examined ($10^{-6}cm^2$)	Chrysotile Fibers: Fiber Count	Chrysotile Fibers: Estimated on Filter (10^6 fibers)	Chrysotile Fibers: Total Mass of Fibers on Filter (nanograms)	Chrysotile Fibers: Fiber Concentration (weight %)
C6390C05-							
ARUNDEL CORPORATION, DELIGHT PLANT:							
011001	1,2	170	72	57	7.6	681.6	0.41
030301*	1,2	28	144	35	2.3	12.5	0.05
011002	3,4	73	72	78	10.4	144.0	0.20
011003	5,6	18	216	72	3.2	45.1	0.25
032101*	5,6	32	720	32	0.4	9.6	0.03
011004	7,8	45	144	70	4.7	72.0	0.16
011005	9,10	37	72	52	6.9	115.2	0.31

* Tumbled samples.

TABLE 2. SUMMARY OF RESULTS (AMPHIBOLE)

Sample Code	Weeks	Mass of Sample on Filter (µg)	Area of Filter Examined ($10^{-6}cm^2$)	Amphibole Fibers			
				Fiber Count	Estimated on Filter (10^6 fibers)	Total Mass of Fibers on Filter (nanograms)	Fiber Concentration (weight %)
C6390C05-							
GHILOTTI BROTHERS, INC.:							
010401	1,2	15	72	3	0.4	6.7	0.04
030501*	1,2	23	72	1	0.3	211.2	0.93
010402	3,4	76	72	51	6.8	1,820.0	2.30
010403	5,6	22	72	0	0	0	0
040201*	5,6	35	72	0	0	0	0
010404	7,8	18	72	9	1.2	11.5	0.07
010405	9,10	35	72	0	0	0	0
ROCKVILLE CRUSHED STONE, INC.:							
010201	1,2	110	72	37	4.9	201.6	0.19
012101*	1,2	120	144	13	0.9	393.6	0.34
010202	3,4	34	216	0	0	0	0
010203	5,6	64	72	28	3.7	307.2	0.48
031401*	5,6	22	720	1	0	0.1	Trace
010204	7,8	30	144	1	0.1	1.9	0.01
010205	9,10	23	144	0	0	0	0
010206	11,12	22	144	1	0.1	1.0	0.01
CARDINAL STONE CO.:							
010301	1,2	15	720	5	0.1	9.6	0.06
042501*	1,2	14	720	0	0	0	0
010302	3,4	12	720	0	0	0	0
010303	5,6	10	720	0	0	0	0
060103*	5,6	8	504	1	0	6.7	0.09
010304	7,8	3	432	1	0	41.1	1.60
010305	9,10	12	216	13	0.6	6,240.0	52.0

(continued)

* Tumbled samples.

TABLE 2. (continued)

Sample Code	Weeks	Mass of Sample on Filter (µg)	Area of Filter Examined ($10^{-6}cm^2$)	Amphibole Fibers: Fiber Count	Estimated on Filter (10^6 fibers)	Total Mass of Fibers on Filter (nanograms)	Fiber Concentration (weight %)
C6390C05							
RAISCH PRODUCTS CO., AZEVEDO QUARRY							
010501	1,2	13	72	0	0	0	0
011301*	1,2	11	72	0	0	0	0
010502	3,4	10	72	0	0	0	0
010503	5,6	26	72	17	2.3	63.4	0.25
030202*	5,6	18	72	0	0	0	0
010504	7,8	25	72	0	0	0	0
HILLSDALE ROCK CO., HILLSDALE QUARRY:							
010601	1,2	32	72	0	0	0	0
011401*	1,2	110	72	1	0.1	0.5	Trace
010602	3,4	24	72	1	0.1	6.9	0.03
010603	5,6	16	72	0	0	0	0
031101*	5,6	14	144	0	0	0	0
010604	7,8	37	144	0	0	0	0
010605	9,10	14	72	0	0	0	0
010606	11,12	23	72	1	0.1	1.1	Trace
D.M. STOLTZFUS & SON, CEDAR HILL PLANT							
010701	1,2	18	216	0	0	0	0
031001*	1,2	17	216	4	0.2	6.7	0.04
010702	3,4	22	216	0	0	0	0
010703	5,6	25	72	1	0.1	14.4	0.06
040301*	5,6	35	72	0	0	0	0
010704	7,8	20	72	0	0	0	0
010705	9,10	27	72	0	2	0	0
010706	11,12	13	144	2	0.1	63.4	0.50

(continued)

* Tumbled samples.

TABLE 2. (continued)

Sample Code	Weeks	Mass of Sample on Filter (µg)	Area of Filter Examined ($10^{-6}cm^2$)	Amphibole Fibers: Fiber Count	Amphibole Fibers: Estimated on Filter (10^6 fibers)	Amphibole Fibers: Total Mass of Fibers on Filter (nanograms)	Amphibole Fibers: Fiber Concentration (weight %)
C6390C05-							
ARUNDEL CORPORATION, DELIGHT PLANT:							
011001	1,2	170	72	4	0.5	49.9	0.03
030301*	1,2	20	144	48	3.2	652.8	2.30
011002	3,4	73	72	55	7.3	307.2	0.42
011003	5,6	18	216	15	0.7	57.6	0.13
032101*	5,6	32	720	1	0.0	3.8	0.01
011004	7,8	45	144	0	0	0	0
011005	9,10	37	72	0	0	0	0

* Tumbled samples.

TABLE 3. SUMMARY OF RESULTS (OTHER FIBERS)

Sample Code	Weeks	Mass of Sample on Filter (µg)	Area of Filter Examined ($10^{-6}cm^2$)	Other Fibers: Fiber Count	Other Fibers: Estimated on Filter (10^6 fibers)	Other Fibers: Total Mass of Fibers on Filter (nanograms)	Other Fibers: Fiber Concentration (weight %)
C6390C05-							
CHILOTTI BROTHERS, INC.:							
010401	1,2	15	72	16	2.1		
030501*	1,2	23	72	48	6.4		
010402	3,4	76	72	26	3.5		
010403	5,6	22	72	43	5.7		
040201*	5,6	35	72	74	9.9		
010404	7,8	18	72	20	2.7		
010405	9,10	38	72	105	14.0		
ROCKVILLE CRUSHED STONE, INC.:							
010201	1,2	110	72	69	9.2		
012101*	1,2	120	144	67	4.5		
010202	3,4	34	216	40	1.8		
010203	5,6	64	72	23	3.1		
031401*	5,6	22	720	14	0.2		
010204	7,8	30	144	58	3.9		
010205	9,10	23	144	38	2.5		
010206	11,12	22	144	45	3.0		
CARDINAL STONE CO.:							
010301	1,2	15	720	52	0.7		
042501*	1,2	14	720	17	0.2		
010302	3,4	12	720	34	0.5		
010303	5,6	10	720	36	0.5		
060103*	5,6	8	504	39	0.7		
010304	7,8	3	432	25	1.7		
010305	9,10	12	216	21	0.9		

(continued)

* Tumbled samples.

TABLE 3. (continued)

Sample Code	Weeks	Mass of Sample on Filter (µg)	Area of Filter Examined ($10^{-6}cm^2$)	Other Fibers: Fiber Count	Other Fibers: Estimated on Filter (10^6 fibers)	Other Fibers: Total Mass of Fibers on Filter (nanograms)	Other Fibers: Fiber Concentration (weight %)
C6390C05-							
RAISCH PRODUCTS CO., AZEVEDO QUARRY							
010501	1,2	13	72	105	14.0		
011301*	1,2	11	72	123	16.4		
010502	3,4	10	72	63	8.4		
010503	5,6	26	72	25	3.3		
030202*	5,6	18	72	78	10.4		
010504	7,8	25	72	118	15.7		
HILLSDALE ROCK CO., HILLSDALE QUARRY:							
010601	1,2	32	72	53	7.1		
011401*	1,2	110	72	109	14.5		
010602	3,4	24	72	118	15.9		
010603	5,6	16	72	68	9.1		
031101*	5,6	14	144	71	4.7		
010604	7,8	37	144	49	3.3		
010605	9,10	14	72	64	8.5		
010606	11,12	23	72	104	13.9		
D.M. STOLTZFUS & SON, CEDAR HILL PLANT:							
010701	1,2	18	216	48	2.1		
031001*	1,2	17	216	8	0.4		
010702	3,4	22	216	46	2.0		
010703	5,6	25	72	61	8.1		
040301*	5,6	35	72	63	8.4		
010704	7,8	20	72	51	6.8		
010705	9,10	27	72	89	11.9		
010706	11,12	13	144	18	1.2		

(continued)

* Tumbled samples.

TABLE 3. (continued)

Sample Code	Weeks	Mass of Sample on Filter (µg)	Area of Filter Examined ($10^{-6}cm^2$)	Other Fibers			
				Fiber Count	Estimated on Filter (10^6 fibers)	Total Mass of Fibers on Filter (nanograms)	Fiber Concentration (weight %)
C6390C05-							
ARUNDEL CORPORATION, DELIGHT PLANT:							
011001	1,2	170	72	65	8.7		
030301*	1,2	28	144	22	1.5		
011002	3,4	73	72	23	3.1		
011003	5,6	18	216	17	0.8		
032101*	5,6	32	720	14	0.2		
011004	7,8	45	144	83	5.5		
011005	9,10	37	72	56	7.5		

* Tumbled samples.

TABLE 4. SAMPLES RECEIVED FROM GHILOTTI BROTHERS, INC.

Sample Number	Date Received	Weight (kg)			Samples Combined	Combined Weight (kg)	Sample Code	Fines Weight (g)	
		Total Weight Rec'd	Sample Weight						
			wet	dry				Sieved	Ball Milled
1	10/31/78	7.0	4.60	4.22	(1,2)	8.54	10401	48.0	--
2	10/31/78	7.0	4.42	4.32			30501	--	18.0
3	11/16/78	7.0	4.46	4.31	(3,4)	8.88	10402	39.0	--
4	11/16/78	6.5	4.64	4.57					
5	11/28/78	7.0	4.87	4.23	(5,6)	8.41	10403	32.0	--
6	11/28/78	7.5	5.09	4.18			40201	--	15.0
7	12/19/78	7.5	4.84	4.25	(7,8)	8.67	10404	26.0	--
8	12/22/78	7.0	4.98	4.42					
9	12/26/78	7.0	4.59	3.93	9	3.93	10405	15.0	--
10	not received								
11	not received								
12	not received								

TABLE 5. SAMPLES RECEIVED FROM ROCKVILLE CRUSHED STONE, INC.

Sample Number	Date Received	Weight (kg)			Samples Combined	Combined Weight (kg)	Sample Code	Fines Weight (g)	
		Total Weight Rec'd	Sample Weight						
			wet	dry				Sieved	Ball Milled
1	10/12/78	9.2	4.49	4.35	(1,2)	9.14	10201	51	--
2	10/26/78	9.7	4.93	4.79			12101	--	10
3	10/26/78	10.4	5.07	4.94	(3,4)	9.78	10202	55	
4	11/02/78	10.5	4.91	4.84					
5	11/10/78	10.0	5.00	4.90	(5,6)	9.28	10203	49	--
6	11/14/78	10.3	4.43	4.38			31401	--	10
7	11/22/78	10.3	5.04	4.90	(7,8)	9.36	10204	49.5	--
8	11/29/78	10.3	4.67	4.46					
9	12/06/78	10.0	4.90	4.54	(9,10)	9.20	10205	33.0	--
10	12/17/78	11.0	4.98	4.67					
11	12/19/78	10.5	5.08	4.94	(11,12)	9.41	10206	56.0	--
12	12/29/78	11.0	4.69	4.47					

TABLE 6. SAMPLES RECEIVED FROM THE CARDINAL STONE CO.

Sample Number	Date Received	Weight (kg)			Samples Combined	Combined Weight (kg)	Sample Code	Fines Weight (g)	
		Total Weight Rec'd	Sample Weight						
			wet	dry				Sieved	Ball Milled
1	2/5/79	4.68	4.65	4.59	(1,2)	9.81	10301	47	
2	2/5/79	5.28	5.27	5.22			42501		3
3	2/5/79	4.38	4.38	4.33	(3,4)	8.74	10302	62	
4	2/5/79	4.52	4.51	4.41					
5	2/5/79	4.40	4.39	4.26	(5,6)	8.28	10303	69	
6	2/5/79	4.13	4.12	4.02			60103		8
7	2/5/79	3.31	3.29	3.17	(7,8)	7.45	10304	25	
8	2/5/79	4.37	4.36	4.28					
9	2/5/79	4.05	4.03	3.98	(9,10)	7.73	10305	20	
10	2/5/79	3.89	3.88	3.75					
11	2/5/79	3.92	3.92	3.83	(11,12)	7.76	10306	20	
12	2/5/79	4.06	4.04	3.93					

TABLE 7. SAMPLES RECEIVED FROM RAISCH PRODUCTS, AZEVEDO QUARRY

Sample Number	Date Received	Weight (kg)			Samples Combined	Combined Weight (kg)	Sample Code	Fines Weight (g)	
		Total Weight Rec'd	Sample Weight						
			wet	dry				Sieved	Ball Milled
1	9/18/78	11.0	5.60	4.23	(1,2)	8.13	10501	29	--
2	9/18/78	9.0	4.38	3.90			11301	--	29.3
3	10/12/78	9.4	4.33	3.80	(3,4)	8.24	10502	31	--
4	10/16/78	9.5	4.97	4.44					
5	10/26/78	9.9	4.68	4.00	(5,6)	8.20	10503	32	--
6	10/30/78	9.6	4.86	4.20			30202	--	28
7	11/8/78	9.5	4.20	3.90	(7,8)	8.02	10504	29	--
8	11/20/78	9.2	4.53	4.12					
9	Not Received								
10	" "								
11	" "								
12	" "								

TABLE 8. SAMPLES RECEIVED FROM HILLSDALE ROCK CO., HILLSDALE QUARRY

Sample Number	Date Received	Weight (kg)			Samples Combined	Combined Weight (kg)	Sample Code	Fines Weight (g)	
		Total Weight Rec'd	Sample Weight						
			wet	dry				Sieved	Ball Milled
1	9/18/78	12.0	5.17	4.75	(1,2)	9.42	10601	30.0	--
2	9/22/78	12.8	5.06	4.67			11401	--	27.0
3	10/12/78	9.0	4.49	4.10	(3,4)	8.65	10602	29.0	--
4	10/26/78	9.8	4.75	4.55					
5	10/31/78	9.4	4.74	4.55	(5,6)	8.76	10603	47.0	--
6	11/6/78	10.0	4.50	4.21			31101	--	28.0
7	11/13/78	11.0	4.96	4.76	(7,8)	9.18	10604	29.0	--
8	11/27/78	8.0	4.60	4.42					
9	12/20/78	9.0	4.52	4.28	(9,10)	8.47	10605	42.0	--
10	12/20/78	9.0	4.25	4.19					
11	1/8/79	9.5	4.74	4.45	(11,12)	9.07	10606	36.0	--
12	1/8/79	9.8	4.86	4.62					

TABLE 9. SAMPLES RECEIVED FROM D.M. STOLTZFUS & SON , CEDAR HILL PLANT

Sample Number	Date Received	Weight (kg)			Samples Combined	Combined Weight (kg)	Sample Code	Fines Weight (g)	
		Total Weight Rec'd	Sample Weight						
			wet	dry				Sieved	Ball Milled
1	11/16/78	10.8	5.05	4.84	(1,2)	9.63	10701	40.0	--
2	11/10/78	11.0	4.90	4.79			31001	--	15.0
3	11/21/78	9.8	4.70	4.41	(3,4)	9.06	10702	21.0	--
4	11/27/78	10.0	4.90	4.65					
5	12/4/78	9.8	4.84	4.39	(5,6)	9.12	10703	32.0	--
6	12/7/78	10.3	4.84	4.73			40301	--	12.0
7	12/14/78	10.9	4.94	4.71	(7,8)	9.03	10704	46.0	--
8	12/21/78	10.6	4.97	4.32					
9	1/19/79	11.0	4.69	4.50	(9,10)	8.85	10705	42.0	--
10	1/24/79	12.0	4.61	4.35					
11	2/5/79	12.5	4.77	4.48	(11,12)	9.18	10706	39.0	--
12	2/14/79	11.0	5.02	4.70					

TABLE 10. SAMPLES RECEIVED FROM ARUNDEL CORPORATION, DELIGHT PLANT

Sample Number	Date Received	Weight (kg)			Samples Combined	Combined Weight (kg)	Sample Code	Fines Weight (g)	
		Total Weight Rec'd	Sample Weight						
			wet	dry				Sieved	Ball Milled
1	10/25/78	>20	4.98	4.70	(1,2)	9.46	11001	42.0	--
2	10/30/78	12.0	4.86	4.76			30301	--	20.0
3	10/30/78	13.0	4.65	4.30	(3,4)	9.06	11002	46.0	--
4	11/14/78	15.0	4.93	4.76					
5	11/14/78	10.0	4.94	4.91	(5,6)	9.63	11003	46.5	--
6	11/20/78	>15	4.93	4.72			32101	--	14
7	12/18/78	>15	4.99	4.92	(7,8)	9.15	11004	25.0	
8	5/22/79	12.1	4.25	4.23					
9	7/79	7.8	4.98	4.98	(9,10)	9.20	11005	26.1	--
10	7/79	8.7	4.22	4.22					
11	9/79	9.1	4.79		Not Analyzed--Received too late.				
12	Not Received								

TABLE 11. PHOTOGRAPHS AND SPECTRA TAKEN DURING ANALYSIS OF ROCK QUARRY SAMPLES - C6390C05

Sample No.	Fiber No.	Electron Micrograph 0° Tilt	Electron Micrograph 40° Tilt
010401	43	20662	20663
	94	20665	20664
030501	34	20724	20725
	40	20726	20727
	45	20728	20729
	59	20730	20731
	66	---	20732
010402	95	20655	20656
010403	27	20770	20771
	41	20772	20773
	66	20774	20775
	93	20776	20777
040201	40	20802	20803
	71	20805	20804
	87	20806	20807
	100	20808	20809
010404	39	20687	
	59	20688	
	92	20689	
010405	13	21295	
	22	21296	
	53	21297	21298
	67	21299	21300
	104	21301	21302
010201	157	20639	
012101	4	20493	20492
	7	20494	20495
	19	20496	20497
	41	20498	
	47	20499	
	53	20500	

(continued)

TABLE 11. (continued)

Sample No.	Fiber No.	Electron Micrograph 0° Tilt	Electron Micrograph 40° Tilt
010202	15	20705	20706
	19	20707	20708
	49	20709	
	82	20710	20711
	94	20712	20713
010203	32	20649	20650
	56	20651	20652
031401	2	20699	20700
	31	20701	20702
	38	20703	20704
010204	12	20714	20715
	69	20716	20717
	73	20718	20719
	91	20720	20721
	95	20722	20723
010205	4	20763	
	19	20765	20764
	47	20766	20767
	70	20768	20769
010206	17	20690	20691
	20	20692	20693
	26	20694	20695
	50	20696	20697
	108	20698	
010301	17	20963	20964
	22	20965	20966
	71	20967	20968
	71		20969
042501	1	20970	20971
	6	20972	20973
	10	20974	20975
010302	3	21653	21654
	15	21655	21656
	53	21657	21658

(continued)

TABLE 11. (continued)

Sample No.	Fiber No.	Electron Micrograph 0° Tilt	Electron Micrograph 40° Tilt
010303	2	20920	20921
	11	20922	20923
	13	20924	20925
	58	20926	
060103	2	21005	21006
	10	21007	21008
	18	21009	21010
010304	19	21273	21274
	26	21275	21276
	37	21278	21277
	86	21279	21280
010305	10	21698	21699
	52	21700	
	56	21701	21702
	75	21703	21704
010306	19	21252	
	26	21254	21253
	40	21255	21256
010501	73	21606	21607
	94	21609	21608
	128	21610	21611
	149	21612	21613
	178	21614	21615
010502	36	21627	21628
	44	21629	
	67	21630	
	84	21631	21632
	96	21633	21634
010503	55	20657	
	69	20658	20659
	95	20660	20661
030202	40	20880	20881
	81	20882	20883

(continued)

TABLE 11. (continued)

Sample No.	Fiber No.	Electron Micrograph 0° Tilt	Electron Micrograph 40° Tilt
010504	24	20820	20821
	25	20822	20823
	85	20825	20824
	103	20826	20827
010601	17	20741	20742
	47	20743	20744
	61	20745	20746
011401	42	20501	20502
	60	20503	
	64	20504	20505
	107	20506	20507
010602	24	20810	
	46	20811	20812
	74	20813	20814
	79	20815	20816
	84	20817	
	126	20818	20819
010603	24	20778	20779
	35	20780	20781
	71	20782	20783
	83	20784	20785
031101	10	21262	21263
	18	21264	
	29	21265	21266
	41	21267	21268
	92	21269	21270
010604	20	20786	20787
	29	20788	
	74	20790	20791
010605	13	20994	20995
	25	20996	20997
	76	20998	20999
	102	21001	21002

(continued)

TABLE 11. (continued)

Sample No.	Fiber No.	Electron Micrograph 0° Tilt	Electron Micrograph 40° Tilt
010606	40	20747	20748
	50	20749	20750
	88	20751	20753
010701	8	21257	21258
	42	21259	
	58	21260	21261
031001	13	20672	20673
	43	20674	20675
010702	14	20839	20838
	18	20840	20841
	30	20843	20842
010703	14	20733	20734
	25	20735	20736
	43	20737	20738
	100	20740	20739
040301	40	20755	20756
	56	20757	20758
	91	20759	20760
	121	20761	20762
010704	13	20868	20869
	62	20870	20871
	99	20872	20873
010705	29	20988	20989
	30	20990	20991
	47	20992	20993
010706	22	21691	
	31	21692	21693
	74	21694	21695
	85	21696	21697
011001	24	20633	20634
	33	20635	20636
	42	20637	20638

(continued)

TABLE 11. (continued)

Sample No.	Fiber No.	Electron Micrograph 0° Tilt	Electron Micrograph 40° Tilt
030301	4	20666	20667
	47	20669	20668
011002	30	20645	20646
	92	20647	20648
Q11003	16	20670	
	43	20671	
032101	2	20846	20847
	5	20848	20849
	17	20850	20851
	39	20852	20853
011004	8	21303	21304
	24	21305	21306
	30	21307	21308
	47	21309	21310
	76	21321	21322
	93	21323	
011005	5	21324	21325
	32	21326	21327
	51	21328	21329
	80	21330	21331
	106	21332	

APPENDIX A

INDIVIDUAL SAMPLE DATA

TABLE A-1. DATA FOR 1st AND 2nd WEEK COMPOSITE, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.4	6.0	3.0				
	2	0.05	0.4	6.0	3.0				
	3	0.05	0.3	5.0	2.5				
	4	0.05	0.4	7.0			✓		
	5	0.05	0.8	26.0	1.6				
	6	0.05	0.4	12.0	0.7				
	7	0.05	0.6	10.0	5.0				
	8	0.05	0.4	12.0	0.7				
	9	0.05	0.8	26.0	1.6				
	10	0.05	0.8	10.0		9.9			
	11	0.05	0.4	14.0	0.9				
	12	0.05	0.3	8.0	0.5				
	13	0.05	0.2	3.0	1.5				
	14	0.05	0.5	8.0	4.0				
	15	0.05	0.3	4.0	2.0				
	16	0.05	0.4	6.0	3.0				
	17	0.05	7.8	250.0	16.0				
	18	0.05	0.4	7.0			✓		
	19	0.05	0.3	4.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-1. DATA FOR 1st AND 2nd WEEK COMPOSITE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.5	8.0	4.0				
	21	0.05	0.4	12.0	0.7				
	22	0.10	0.6	4.5	18.0				
	23	0.20	1.1	6.0			✓		
	24	0.10	0.8	8.0	14.0				
	25	0.10	0.6	5.0	20.0				
	26	0.05	1.8	56.0	3.5				
	27	0.05	0.8	13.0	6.5				
	28	0.10	2.9	24.0	94.0				
	29	0.05	0.4	6.0		3.5			
	30	0.10	0.7	7.3	12.0				
	31	0.05	1.1	18.0	9.0				
	32	0.10	1.3	10.0	40.0				
	33	0.05	0.3	8.0	0.5				
	34	0.05	0.3	5.0	2.5				
	35	0.05	0.6	9.0	4.5				
	36	0.10	0.8	8.7			✓		
	37	0.05	1.0	32.0	2.0				
	38	0.05	0.6	9.0	4.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-1. DATA FOR 1st AND 2nd WEEK COMPOSITE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	1.3	20.0			✓		
	40	0.05	0.4	7.0	3.5				
	41	0.05	0.5	8.0	4.0				
	42	0.10	0.8	6.0			✓		
	43	0.10	1.8	19.0	31.0				
	44	0.05	1.6	50.0	3.1				
	45	0.05	0.4	7.0	3.5				
	46	0.05	0.8	26.0	1.6				
	47	0.05	0.6	10.0	5.0				
	48	0.05	0.6	20.0	1.2				
	49	0.05	0.5	16.0	1.0				
	50	0.05	0.9	30.0	1.9				
	51	0.05	2.5	80.0	5.0				
	52	0.30	5.0	16.0	1000.0				
	53	0.05	0.6	10.0	5.0				
	54	0.10	0.5	4.0	16.0				
	55	0.10	0.9	7.0	28.0				
	56	0.05	0.6	9.0	4.5				
	57	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-1. DATA FOR 1st AND 2nd WEEK COMPOSITE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.4	12.0	0.7				
	59	0.05	0.7	22.0	1.4				
	60	0.10	0.9	10.0	17.0				
	61	0.05	0.4	12.0	0.7				
	62	0.05	0.3	8.0	0.5				
	63	0.05	0.3	5.0			✓		
	64	0.05	0.4	5.0					✓
	65	0.05	0.2	3.0			✓		
	66	0.05	0.6	18.0	1.1				
	67	0.05	0.4	14.0	0.9				
	68	0.05	0.4	12.0	0.7				
	69	0.20	1.6	8.7					✓
	70	0.05	1.8	56.0	3.5				
	71	0.05	0.5	16.0	1.0				
	72	0.05	0.6	20.0	1.2				
	73	0.05	0.4	12.0	0.7				
	74	0.05	1.0	16.0	8.0				
	75	0.05	1.0	32.0	2.0				
	76	0.05	0.4	14.0	0.9				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-1. DATA FOR 1st AND 2nd WEEK COMPOSITE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.7	11.0			✓		
	78	0.10	1.1	11.0	19.0				
	79	0.05	0.6	18.0	1.1				
	80	0.10	1.1	8.0		37.0			
	81	0.05	0.6	16.0	1.0				
	82	0.05	0.2	3.0					✓
	83	0.05	1.2	19.0	9.5				
	84	0.05	0.3	5.0	2.5				
	85	0.05	0.4	6.0	3.0				
	86	0.10	1.3	10.0	40.0				
	87	0.05	0.4	6.0				✓	
	88	0.05	1.0	32.0	2.0				
	89	0.05	1.4	44.0	2.7				
	90	0.10	0.4	3.5			✓		
	91	0.05	0.8	12.0	6.0				
	92	0.05	0.8	13.0					✓
	93	0.05	0.5	8.0	4.0				
	94	0.05	5.0	110.0	20.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-2. DATA FOR 1st AND 2nd WEEK TUMBLED COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.6	20.0			✓		
	2	0.05	0.6	9.0			✓		
	3	0.05	1.0	32.0	2.0				
	4	0.05	0.9	30.0			✓		
	5	0.05	0.3	10.0			✓		
	6	0.05	0.3	4.0			✓		
	7	0.05	0.5	16.0			✓		
	8	0.05	1.6	52.0	3.2				
	9	0.05	0.6	9.0	4.5				
	10	0.05	0.7	22.0			✓		
	11	0.05	0.4	7.0	3.5				
	12	0.05	1.6	25.0	13.0				
	13	0.05	0.6	9.0	4.5				
	14	0.05	1.0	16.0	8.0				
	15	0.05	0.7	11.0	5.5				
	16	0.10	0.8	6.0	24.0				
	17	0.05	0.5	16.0			✓		
	18	0.05	0.6	18.0	1.1				
	19	0.05	0.4	7.0	3.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-2. DATA FOR 1st AND 2nd WEEK TUMBLED COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.8	13.0	6.5				
	21	0.05	0.6	10.0	5.0				
	22	0.10	0.8	6.5	26.0				
	23	0.05	0.5	16.0	1.0				
	24	0.05	0.4	12.0	0.7				
	25	0.05	1.1	17.0	8.5				
	26	0.05	0.9	30.0			✓		
	27	0.05	0.4	12.0			✓		
	28	0.05	1.4	23.0	12.0				
	29	0.05	0.6	10.0	5.0				
	30	0.05	0.8	13.0			✓		
	31	0.05	1.3	20.0					✓
	32	0.05	0.8	13.0	6.5				
	33	0.05	0.3	5.0			✓		
	34	0.10	0.9	7.5			✓		
	35	0.05	0.6	20.0	1.2				
	36	0.05	0.8	12.0	6.0				
	37	0.05	0.3	10.0	0.6				
	38	0.25	1.4	5.5			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-2. DATA FOR 1st AND 2nd WEEK TUMBLED COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.6	9.0			✓		
	40	0.10	0.9	7.0	28.0				
	41	0.05	0.3	5.0			✓		
	42	0.20	0.9	5.0	67.0				
	43	0.05	0.9	30.0	1.9				
	44	0.05	0.6	20.0			✓		
	45	0.10	1.0	8.0	32.0				
	46	0.05	1.1	36.0	2.2				
	47	0.10	1.1	8.5	34.0				
	48	0.05	0.5	8.0	4.0				
	49	0.05	0.8	13.0	6.5				
	50	0.05	0.9	30.0			✓		
	51	0.05	0.3	5.0			✓		
	52	0.05	0.6	10.0			✓		
	53	0.05	0.3	10.0			✓		
	54	0.05	0.6	20.0			✓		
	55	0.10	1.2	9.5	38.0				
	56	0.05	0.6	20.0			✓		
	57	0.10	0.8	6.5	26.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-2. DATA FOR 1st AND 2nd WEEK TUMBLED COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.4	7.0	3.5				
	59	0.10	0.9	7.0	28.0				
	60	0.05	1.1	17.0	8.5				
	61	0.05	2.2	70.0	4.4				
	62	0.20	1.9	10.0	140.0				
	63	0.05	0.4	6.0	3.0				
	64	0.05	0.5	8.0			✓		
	65	0.10	0.8	6.0	24.0				
	66	0.30	3.1	9.8	610.0				
	67	0.10	3.5	28.0	110.0				
	68	0.05	0.6	9.0			✓		
	69	0.10	1.1	9.0			✓		
	70	0.20	3.6	19.0		1600.0			
	71	0.10	0.7	5.5				✓	
	72	0.05	0.3	5.0			✓		
	73	0.05	1.1	34.0	2.1				
	74	0.05	0.8	12.0			✓		
	75	0.05	0.9	14.0			✓		
	76	0.06	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-2. DATA FOR 1st AND 2nd WEEK TUMBLED COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.4	7.0	3.5				
	78	0.05	0.5	8.0			✓		
	79	0.05	0.6	9.0	4.5				
	80	0.10	0.8	6.0	24.0				
	81	0.05	0.8	12.0			✓		
	82	0.05	0.9	15.0	7.5				
	83	0.05	0.6	10.0			✓		
	84	0.05	0.6	10.0			✓		
	85	0.05	0.3	5.0			✓		
	86	0.10	1.1	8.5	34.0				
	87	0.05	0.8	12.0	6.0				
	88	0.05	0.8	26.0			✓		
	89	0.05	0.7	11.0	5.5				
	90	0.05	0.4	7.0			✓		
	91	0.05	1.1	17.0	8.5				
	92	0.10	1.3	10.0	40.0				
	93	0.10	0.6	5.0	20.0				
	94	0.05	0.8	12.0			✓		
	95	0.05	0.4	6.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-2. DATA FOR 1st AND 2nd WEEK TUMBLED COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.10	0.8	6.0			✓		
	97	0.05	0.8	12.0	6.0				
	98	0.05	1.3	20.0	10.0				
	99	0.05	0.6	10.0			✓		
	100	0.05	0.5	8.0			✓		
	101	0.05	0.4	7.0			✓		
	102	0.05	0.6	10.0	5.0				
	103	0.10	1.9	15.0	60.0				
	104	0.05	0.9	30.0	1.9				
	105	0.05	0.6	9.0			✓		
	106	0.10	0.8	6.0			✓		
	107	0.05	1.4	23.0	12.0				
	108	0.10	0.7	5.5	22.0				
	109	0.05	0.9	30.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-3. DATA FOR 3rd AND 4th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.10	1.1	11.0		22.0			
	2	0.05	0.5	8.0		4.6			
	3	0.05	0.4	6.0			✓		
	4	0.05	1.1	17.0	8.5				
	5	0.05	0.8	12.0		6.9			
	6	0.05	0.8	12.0					✓
	7	0.05	0.4	7.0		4.0			
	8	0.10	0.3	3.3			✓		
	9	0.05	0.6	9.0		5.2			
	10	0.05	0.4	7.0		4.0			
	11	0.05	0.6	9.0	4.5				
	12	0.05	0.4	6.0	3.0				
	13	0.05	0.4	6.0			✓		
	14	0.05	0.3	10.0	0.6				
	15	0.10	0.8	8.0					✓
	16	0.05	1.0	16.0	8.0				
	17	0.05	0.5	8.0		4.6			
	18	0.05	0.7	22.0	1.4				
	19	0.05	0.6	14.0	2.4				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-3. DATA FOR 3rd AND 4th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.4	6.0		3.5			
	21	0.05	0.6	9.0	4.5				
	22	0.05	0.3	10.0	0.6				
	23	0.05	0.3	8.0	0.5				
	24	0.05	0.5	8.0					✓
	25	0.05	0.7	11.0		6.3			
	26	0.05	0.8	12.0		6.9			
	27	0.05	0.6	10.0		5.8			
	28	0.10	0.8	6.0		28.0			
	29	0.10	0.4	4.7		9.1			
	30	0.05	1.4	22.0	11.0				
	31	0.05	1.3	20.0	10.0				
	32	0.05	0.4	12.0	0.7				
	33	0.05	0.4	6.0			✓		
	34	0.05	0.6	9.0		5.2			
	35	0.10	0.6	6.7					✓
	36	0.05	1.3	29.0	4.9				
	37	0.05	0.4	12.0	0.7				
	38	0.05	0.6	10.0		5.8			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-3. DATA FOR 3rd AND 4th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.6	10.0	5.0				
	40	0.05	0.4	14.0	0.9				
	41	0.05	0.5	8.0	4.0				
	42	0.05	0.6	9.0	4.5				
	43	0.05	0.4	6.0			✓		
	44	0.05	0.6	20.0	1.2				
	45	0.05	0.6	20.0	1.2				
	46	0.05	2.4	38.0	19.0				
	47	0.05	0.4	6.0			✓		
	48	0.05	1.3	20.0	10.0				
	49	0.05	0.6	10.0	5.0				
	50	0.05	0.6	9.0	4.5				
	51	0.05	0.5	8.0		4.6			
	52	0.05	0.7	11.0		6.3			
	53	0.10	0.6	6.0		12.0			
	54	0.05	0.6	9.0		5.2			
	55	0.05	0.3	5.0			✓		
	56	0.05	0.9	20.0	3.4				
	57	0.05	2.5	40.0	20.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-3. DATA FOR 3rd AND 4th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	1.3	20.0	10.0				
	59	0.05	0.6	18.0	1.1				
	60	0.05	0.3	10.0	0.6				
	61	0.05	0.8	26.0			✓		
	62	0.05	0.5	8.0		4.6			
	63	0.25	1.2	4.8		170.0			
	64	0.75	3.1	4.2		4100.0			
	65	0.10	1.1	11.0	19.0				
	66	0.05	1.3	20.0	10.0				
	67	0.05	0.6	10.0	5.0				
	68	0.05	0.6	10.0	5.0				
	69	0.05	2.3	72.0	4.5				
	70	0.05	0.6	10.0		5.8			
	71	0.05	0.8	17.0	2.9				
	72	0.05	0.9	21.0	3.7				
	73	0.05	0.8	12.0	6.0				
	74	0.05	0.8	17.0	2.9				
	75	0.05	0.8	12.0	6.0				
	76	0.10	0.6	6.0	10.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-3. DATA FOR 3rd AND 4th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.10	0.6	6.7		13.0			
	78	0.15	0.8	5.2		47.0			
	79	0.05	1.7	22.0		22.0			
	80	0.05	0.6	9.0	4.5				
	81	0.05	1.4	22.0	11.0				
	82	0.05	1.1	18.0	9.0				
	83	0.10	1.4	11.0		51.0			
	84	0.05	0.9	15.0	7.5				
	85	0.10	0.9	9.3		18.0			
	86	0.05	1.3	67.0	0.9				
	87	0.05	0.8	40.0	0.5				
	88	0.05	1.3	21.0		12.0			
	89	0.25	1.3	5.0	160.0				
	90	0.05	0.7	22.0	1.4				
	91	0.05	0.4	6.0			✓		
	92	0.05	0.6	7.5		7.5			
	93	0.05	1.0	16.0	8.0				
	94	0.05	0.8	12.0	6.0				
	95	0.10	3.3	21.0		190.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-3. DATA FOR 3rd AND 4th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.10	0.8	8.0		16.0			
	97	0.05	0.6	20.0	1.2				
	98	0.05	0.3	6.0			✓		
	99	0.05	0.6	9.0					✓
	100	0.05	0.7	11.0	5.5				
	101	0.05	0.7	9.2		9.1			
	102	0.05	1.1	26.0	4.4				
	103	0.05	0.3	12.0	0.7				
	104	0.05	0.3	12.0	0.7				
	105	0.05	0.4	7.0					✓
	106	0.05	0.3	5.0			✓		
	107	0.05	0.6	13.0	2.2				
	108	0.05	1.5	24.0	12.0				
	109	0.05	0.7	9.2		9.1			
	110	0.05	1.3	17.0			✓		
	111	0.05	0.6	13.0	2.2				
	112	0.15	1.4	9.2		83.0			
	113	0.10	1.1	9.0			✓		
	114	0.15	1.3	8.0	62.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-3. DATA FOR 3rd AND 4th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.10	1.1	8.5	34.0				
	116	0.10	0.7	7.3		14.0			
	117	0.05	0.7	16.0	2.7				
	118	0.15	1.6	10.0		90.0			
	119	0.20	1.6	7.1		180.0			
	120	0.05	2.9	66.0	11.0				
	121	0.05	0.4	8.6	1.5				
	122	0.05	0.6	10.0		5.8			
	123	0.05	0.6	10.0		5.8			
	124	0.05	1.3	18.0	15.0				
	125	0.15	1.9	12.0		110.0			
	126	0.05	1.3	20.0	10.0				
	127	0.05	2.4	54.0	9.3				
	128	0.05	0.4	10.0	1.7				
	129	0.60	5.6	9.0		5200.0			
	130	0.05	2.3	36.0	18.0				
	131	0.05	1.3	29.0	4.9				
	132	0.05	1.1	24.0	4.2				
	133	0.05	0.8	11.0		11.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-3. DATA FOR 3rd AND 4th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.6	14.0	2.4				
	135	0.60	2.8	4.5		2600.0			
	136	0.20	1.1	6.0		93.0			
	137	0.10	1.1	8.5					
	138	0.10	1.0	11.0			✓		
	139	0.05	0.6	10.0			✓		
	140	0.05	0.6	10.0			✓		
	141	0.05	0.6	14.0	2.4				
	142	0.05	0.4	7.0	3.5				
	143	0.05	0.4	6.0					✓
	144	0.05	0.6	9.0		5.2			
	145	0.05	0.6	10.0			✓		
	146	0.05	1.2	19.0	9.5				
	147	0.05	0.6	10.0	5.0				
	148	0.10	0.7	5.5			✓		
	149	0.05	1.8	58.0	3.6				
	150	0.05	3.6	83.0	14.0				
	151	0.05	4.4	100.0	17.0				
	152	0.10	1.0	8.0		37.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-3. DATA FOR 3rd AND 4th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	1.1	15.0		15.0			
	154	0.10	0.8	6.0		28.0			
	155	0.10	1.1	8.5	34.0				
	156	0.05	1.0	16.0	8.0				
	157	0.05	1.1	39.0	2.2				
	158	0.05	0.7	11.0			✓		
	159	0.10	0.6	5.0		23.0			
	160	0.05	1.5	34.0	5.9				
	161	0.05	2.5	130.0	1.8				
	162	0.05	2.3	37.0	18.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-4. DATA FOR 5th AND 6th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.8	24.0	1.5				
	2	0.05	0.5	8.0	4.0				
	3	0.05	0.7	13.0	6.5				
	4	0.05	0.6	10.0	5.0				
	5	0.05	0.4	7.0			✓		
	6	0.05	0.5	8.0	4.0				
	7	0.05	0.6	10.0	5.0				
	8	0.05	0.4	7.0	3.5				
	9	0.05	0.6	9.0			✓		
	10	0.05	0.8	12.0	6.0				
	11	0.05	0.3	5.0	2.5				
	12	0.05	1.1	34.0	2.1				
	13	0.05	0.5	16.0	1.0				
	14	0.05	0.3	5.0	2.5				
	15	0.05	0.5	8.0			✓		
	16	0.05	0.6	10.0			✓		
	17	0.05	0.6	9.0	4.5				
	18	0.05	0.4	6.0	3.0				
	19	0.05	0.6	18.0	1.1				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-4. DATA FOR 5th AND 6th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.9	15.0	7.5				
	21	0.05	0.7	22.0	1.4				
	22	0.05	0.5	8.0			✓		
	23	0.05	0.6	18.0	1.1				
	24	0.10	1.5	14.0			✓		
	25	0.05	2.4	80.0	5.0				
	26	0.20	1.4	7.6			✓		
	27	0.05	0.5	16.0	1.0				
	28	0.05	0.5	8.0	4.0				
	29	0.05	0.4	14.0			✓		
	30	0.05	0.3	5.0			✓		
	31	0.05	0.5	8.0			✓		
	32	0.05	0.4	7.0	3.5				
	33	0.05	0.6	9.0	4.5				
	34	0.05	0.4	12.0	0.7				
	35	0.05	0.6	9.0	4.5				
	36	0.05	0.4	12.0					✓
	37	0.05	0.3	5.0	2.5				
	38	0.05	0.3	10.0	0.6				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-4. DATA FOR 5th AND 6th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.3	5.0	2.5				
	40	0.05	0.5	8.0	4.0				
	41	0.05	1.6	26.0	13.0				
	42	0.05	0.6	20.0	1.2				
	43	0.05	0.8	24.0			✓		
	44	0.05	0.4	6.0			✓		
	45	0.10	0.7	6.5			✓		
	46	0.05	1.5	24.0	12.0				
	47	0.05	0.6	9.0					✓
	48	0.05	1.2	19.0	9.5				
	49	0.05	0.4	6.0	3.0				
	50	0.05	1.7	27.0	14.0				
	51	0.05	0.4	14.0	0.9				
	52	0.05	0.4	14.0	0.9				
	53	0.05	1.4	46.0	2.9				
	54	0.05	1.6	25.0	13.0				
	55	0.05	0.5	8.0	4.0				
	56	0.05	0.7	22.0	1.4				
	57	0.05	0.6	20.0	1.2				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-4. DATA FOR 5th AND 6th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.9	15.0	7.5				
	59	0.05	0.6	10.0	5.0				
	60	0.05	0.3	10.0			✓		
	61	0.05	0.4	14.0	0.9				
	62	0.05	0.4	14.0	0.9				
	63	0.05	0.3	10.0	0.6				
	64	0.05	0.4	7.0	3.5				
	65	0.05	0.3	10.0	0.6				
	66	0.05	0.9	15.0	7.5				
	67	0.05	1.1	36.0	2.2				
	68	0.05	1.3	40.0	2.5				
	69	0.05	0.6	10.0	5.0				
	70	0.05	0.6	9.0	4.5				
	71	0.05	1.6	52.0			✓		
	72	0.05	0.4	7.0	3.5				
	73	0.05	0.6	9.0	4.5				
	74	0.05	0.3	5.0	2.5				
	75	0.05	0.6	10.0			✓		
	76	0.05	0.6	9.0	4.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-4. DATA FOR 5th AND 6th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.7	22.0	1.4				
	78	0.05	0.6	10.0	5.0				
	79	0.05	0.7	13.0	6.5				
	80	0.05	0.3	4.0			✓		
	81	0.05	0.4	7.0	3.5				
	82	0.05	1.0	32.0			✓		
	83	0.05	0.6	20.0	1.2				
	84	0.05	0.3	10.0			✓		
	85	0.05	0.6	10.0			✓		
	86	0.05	0.4	12.0			✓		
	87	0.05	0.7	11.0	5.5				
	88	0.05	0.5	16.0					✓
	89	0.05	0.5	16.0	1.0				
	90	0.05	0.6	10.0	5.0				
	91	0.05	0.4	6.0	3.0				
	92	0.10	0.5	4.0			✓		
	93	0.10	1.1	8.5	34.0				
	94	0.20	0.9	5.0	67.0				
	95	0.05	1.3	20.0	10.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-4. DATA FOR 5th AND 6th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.7	11.0	5.5				
	97	0.05	0.6	10.0	5.0				
	98	0.05	3.9	62.0	31.0				
	99	0.05	0.6	10.0			✓		
	100	0.05	0.6	10.0	5.0				
	101	0.05	0.4	6.0	3.0				
	102	0.20	2.7	14.0			✓		
	103	0.05	0.8	10.0			✓		
	104	0.05	0.3	7.0			✓		
	105	0.05	0.4	7.0			✓		
	106	0.05	1.2	19.0	9.5				
	107	0.05	1.9	30.0	15.0				
	108	0.05	0.9	15.0	7.5				
	109	0.05	1.3	20.0			✓		
	110	0.05	0.5	8.0			✓		
	111	0.05	2.4	38.0	19.0				
	112	0.05	0.3	8.0					✓
	113	0.05	0.6	9.0	4.5				
	114	0.05	0.6	9.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-4. DATA FOR 5th AND 6th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.7	11.0	5.5				
	116	0.05	0.4	6.0	3.0				
	117	0.05	0.4	7.0	3.5				
	118	0.05	0.7	11.0	5.5				
	119	0.05	0.6	10.0	5.0				
	120	0.05	0.4	6.0	3.0				
	121	0.05	0.3	5.0	2.5				
	122	0.05	1.1	17.0	8.5				
	123	0.05	1.1	17.0	8.5				
	124	0.05	1.0	32.0	2.0				
	125	0.05	0.4	12.0	0.7				
	126	0.10	1.9	15.0	60.0				
	127	0.05	0.8	24.0			✓		
	128	0.05	0.7	11.0			✓		
	129	0.05	0.5	16.0	1.0				
	130	0.05	0.4	12.0	0.7				
	131	0.05	0.6	18.0	1.1				
	132	0.05	0.4	6.0	3.0				
	133	0.05	0.8	13.0	6.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-4. DATA FOR 5th AND 6th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.8	26.0	1.6				
	135	0.05	0.7	5.5			✓		
	136	0.05	0.3	5.0			✓		
	137	0.05	1.3	20.0	10.0				
	138	0.05	1.8	28.0			✓		
	139	0.05	0.9	15.0	7.5				
	140	0.05	0.4	7.0	3.5				
	141	0.05	1.3	40.0	2.5				
	142	0.05	0.5	16.0	1.0				
	143	0.05	0.4	7.0	3.5				
	144	0.05	0.6	10.0	5.0				
	145	0.05	1.0	32.0	2.0				
	146	0.05	0.6	18.0			✓		
	147	0.05	0.6	10.0	5.0				
	148	0.05	0.7	13.0	6.5				
	149	0.05	0.6	10.0	5.0				
	150	0.05	0.3	10.0	0.6				
	151	0.05	0.4	12.0					✓
	152	0.05	0.5	8.0	4.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-4. DATA FOR 5th AND 6th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	0.6	9.0	4.5				
	154	0.05	0.6	20.0					✓
	155	0.05	0.4	6.0	3.0				
	156	0.05	1.1	18.0			✓		
	157	0.05	1.3	20.0	10.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-5. DATA FOR 5th AND 6th WEEK COMPOSITE TUMBLED SAMPLERS, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	1.4	44.0			✓		
	2	0.05	0.6	10.0	5.0				
	3	0.05	0.3	10.0					✓
	4	0.05	0.3	5.0			✓		
	5	0.05	0.8	24.0			✓		
	6	0.10	0.7	5.5	22.0				
	7	0.05	0.6	9.0			✓		
	8	0.10	0.9	7.5			✓		
	9	0.05	0.3	5.0			✓		
	10	0.05	0.6	10.0			✓		
	11	0.05	0.6	20.0			✓		
	12	0.05	0.6	20.0			✓		
	13	0.05	0.8	12.0			✓		
	14	0.05	0.3	10.0			✓		
	15	0.05	0.5	16.0			✓		
	16	0.05	0.6	18.0			✓		
	17	0.05	1.4	26.0			✓		
	18	0.10	0.9	7.5	30.0				
	19	0.10	2.9	23.0	92.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-5. DATA FOR 5th AND 6th WEEK COMPOSITE TUMBLED SAMPLERS, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.4	7.0	3.5				
	21	0.10	0.9	7.5			✓		
	22	0.05	0.5	16.0			✓		
	23	0.05	0.6	10.0	5.0				
	24	0.05	1.3	20.0			✓		
	25	0.05	0.7	11.0	5.5				
	26	0.05	0.6	10.0			✓		
	27	0.05	0.5	8.0	4.0				
	28	0.05	0.5	8.0			✓		
	29	0.05	0.4	6.0			✓		
	30	0.05	0.7	11.0			✓		
	31	0.30	0.9	3.0				✓	
	32	0.05	0.6	18.0			✓		
	33	0.05	0.4	6.0			✓		
	34	0.05	1.3	20.0	10.0				
	35	0.05	0.4	7.0	3.5				
	36	0.10	0.6	5.0				✓	
	37	0.05	0.6	20.0					✓
	38	0.05	1.2	19.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-5. DATA FOR 5th AND 6th WEEK COMPOSITE TUMBLED SAMPLERS, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.25	1.9	7.5			✓		
	40	0.05	0.6	10.0	5.0				
	41	0.05	0.4	6.0				✓	
	42	0.05	0.7	11.0			✓		
	43	0.05	0.4	7.0	3.5				
	44	0.05	0.3	5.0				✓	
	45	0.05	0.6	20.0			✓		
	46	0.05	0.4	6.0			✓		
	47	0.05	0.4	7.0			✓		
	48	0.05	2.1	33.0			✓		
	49	0.05	1.9	30.0	15.0				
	50	0.10	1.0	8.0	32.0				
	51	0.10	1.6	13.0	50.0				
	52	0.05	0.6	10.0			✓		
	53	0.05	1.6	25.0			✓		
	54	0.05	1.6	25.0	13.0				
	55	0.05	0.5	8.0	4.0				
	56	0.20	0.9	5.0			✓		
	57	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-5. DATA FOR 5th AND 6th WEEK COMPOSITE TUMBLED SAMPLERS, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.6	10.0			✓		
	59	0.05	0.3	4.0			✓		
	60	0.05	0.6	9.0			✓		
	61	0.05	0.3	5.0			✓		
	62	0.05	1.3	42.0			✓		
	63	0.05	0.5	16.0			✓		
	64	0.05	0.6	10.0	5.0				
	65	0.05	0.5	8.0			✓		
	66	0.05	0.3	5.0			✓		
	67	0.25	0.9	3.8	120.0				
	68	0.05	1.3	42.0			✓		
	69	0.05	0.6	10.0			✓		
	70	0.05	1.2	19.0			✓		
	71	0.05	4.6	25.0	332.0				
	72	0.05	0.4	6.0			✓		
	73	0.20	0.6	10.0			✓		
	74	0.05	3.4	110.0			✓		
	75	0.05	0.6	20.0			✓		
	76	0.05	1.5	48.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-5. DATA FOR 5th AND 6th WEEK COMPOSITE TUMBLED SAMPLERS, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	1.0	16.0	8.0				
	78	0.10	0.8	7.0	28.0				
	79	0.05	0.6	10.0			✓		
	80	0.05	0.6	9.0			✓		
	81	0.05	0.4	7.0			✓		
	82	0.05	0.3	5.0			✓		
	83	0.05	0.4	14.0			✓		
	84	0.05	0.3	8.0				✓	
	85	0.10	0.7	5.5			✓		
	86	0.05	2.5	80.0	5.0				
	87	0.05	0.3	5.0	2.5				
	88	0.40	2.3	6.0	650.0				
	89	0.05	0.7	11.0	5.5				
	90	0.05	1.1	36.0	2.2				
	91	0.10	2.2	18.0			✓		
	92	0.10	0.8	6.5			✓		
	93	0.05	0.9	14.0	7.0				
	94	0.05	0.4	12.0			✓		
	95	0.05	0.6	20.0					✓

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-5. DATA FOR 5th AND 6th WEEK COMPOSITE TUMBLED SAMPLERS, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.6	18.0				✓	
	97	0.05	0.8	26.0					✓
	98	0.05	0.4	6.0					✓
	99	0.05	0.6	9.0	4.5				
	100	0.10	1.2	9.5	38.0				
	101	0.05	0.9	15.0	7.5				
	102	0.10	1.2	9.5	38.0				
	103	0.05	0.8	26.0	1.6				
	104	0.05	0.9	15.0	7.5				
	105	0.05	0.6	10.0	5.0				
	106	0.05	0.7	11.0			✓		
	107	0.05	0.4	7.0	3.5				
	108	0.05	0.8	12.0	6.0				
	109	0.05	0.7	11.0	5.5				
	110	0.10	0.8	6.0	24.0				
	111	0.05	0.5	8.0	4.0				
	112	0.05	0.4	12.0	0.7				
	113	0.05	1.6	25.0			✓		
	114	0.05	1.3	20.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-5. DATA FOR 5th AND 6th WEEK COMPOSITE TUMBLED SAMPLERS, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.7	11.0			✓		
	116	0.05	0.4	6.0	3.0				
	117	0.05	0.5	8.0	4.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-6. DATA FOR 7th AND 8th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.3	5.0	2.5				
	2	0.05	0.8	13.0	6.5				
	3	0.05	0.4	12.0	0.7				
	4	0.05	0.4	7.0	3.5				
	5	0.05	0.5	8.0			✓		
	6	0.05	0.3	10.0	0.6				
	7	0.05	0.4	14.0	0.9				
	8	0.05	0.2	6.0	0.4				
	9	0.05	0.7	22.0	1.4				
	10	0.05	0.3	4.0	2.0				
	11	0.05	1.1	36.0	2.2				
	12	0.05	0.9	30.0	1.9				
	13	0.05	1.2	19.0	9.5				
	14	0.05	1.0	32.0	2.0				
	15	0.10	1.4	11.0					✓
	16	0.05	0.3	4.0					✓
	17	0.05	0.3	5.0			✓		
	18	0.05	0.8	13.0	6.5				
	19	0.05	0.6	18.0	1.1				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-6. DATA FOR 7th AND 8th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.4	12.0	0.7				
	21	0.05	1.3	20.0	10.0				
	22	0.05	1.2	19.0	9.5				
	23	0.10	0.8	6.5					✓
	24	0.10	1.1	8.5	34.0				
	25	0.05	0.2	8.0	0.5				
	26	0.05	0.6	20.0	1.2				
	27	0.05	0.4	6.0			✓		
	28	0.05	0.9	15.0		8.6			
	29	0.05	0.3	4.0		2.3			
	30	0.05	0.4	14.0	0.9				
	31	0.10	0.6	5.0			✓		
	32	0.05	0.4	7.0			✓		
	33	0.05	0.3	5.0		2.9			
	34	0.05	0.7	11.0	5.5				
	35	0.05	0.6	18.0	1.1				
	36	0.05	0.4	6.0					✓
	37	0.40	3.8	8.8					✓
	38	0.10	2.5	27.0	45.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-6. DATA FOR 7th AND 8th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.10	3.1	25.0	100.0				
	40	0.05	3.0	96.0	6.0				
	41	0.05	0.8	24.0	1.5				
	42	0.05	0.6	20.0	1.2				
	43	0.05	1.1	24.0	4.2				
	44	0.05	0.9	30.0	1.9				
	45	0.05	0.6	18.0	1.1				
	46	0.05	0.7	22.0	1.4				
	47	0.05	1.0	16.0	8.0				
	48	0.05	0.8	13.0		7.5			
	49	0.10	1.1	14.0		14.0			
	50	0.05	0.8	26.0	1.6				
	51	0.05	0.7	22.0	1.4				
	52	0.05	0.5	16.0	1.0				
	53	0.05	0.5	8.0	4.0				
	54	0.05	0.4	7.0	3.5				
	55	0.05	3.5	56.0	28.0				
	56	0.05	0.9	28.0	1.7				
	57	0.05	0.8	12.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-6. DATA FOR 7th AND 8th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.6	18.0	1.1				
	59	0.05	4.9	78.0	39.0				
	60	0.05	1.2	19.0	9.5				
	61	0.05	0.4	12.0	0.7				
	62	0.05	0.4	14.0	0.9				
	63	0.05	0.4	12.0	0.7				
	64	0.05	1.4	44.0	2.7				
	65	0.05	0.3	5.0			✓		
	66	0.05	0.4	12.0	0.7				
	67	0.05	1.4	44.0	2.7				
	68	0.05	1.0	16.0	8.0				
	69	0.05	0.4	12.0	0.7				
	70	0.05	0.3	10.0	2.5				
	71	0.10	1.6	13.0	50.0				
	72	0.05	0.4	14.0	0.9				
	73	0.05	1.8	56.0	3.5				
	74	0.05	0.4	14.0	0.9				
	75	0.05	0.3	10.0	0.6				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-6. DATA FOR 7th AND 8th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	76	0.10	0.6	5.0	20.0				
	77	0.05	0.4	12.0	0.7				
	78	0.05	1.3	21.0	10.0				
	79	0.10	0.8	6.5		30.0			
	80	0.05	0.8	24.0	1.5				
	81	0.05	1.4	46.0	2.9				
	82	0.10	0.6	6.7		13.0			
	83	0.05	1.3	20.0	10.0				
	84	0.05	0.8	13.0	6.5				
	85	0.05	1.0	16.0	8.0				
	86	0.05	0.5	8.0	4.0				
	87	0.05	1.0	16.0	8.0				
	88	0.05	0.6	9.0	4.5				
	89	0.05	0.8	12.0	6.0				
	90	0.10	0.5	5.3			✓		
	91	0.05	0.6	9.0	4.5				
	92	0.10	1.0	8.0	32.0				
	93	0.05	0.5	11.0	2.0				
	94	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-6. DATA FOR 7th AND 8th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	95	0.05	0.9	14.0	7.0				
	96	0.05	0.7	11.0	5.5				
	97	0.05	0.6	20.0	1.2				
	98	0.05	0.6	9.0	4.5				
	99	0.05	0.8	26.0	1.6				
	100	0.05	1.6	26.0	13.0				
	101	0.05	0.6	10.0	5.0				
	102	0.05	0.4	7.0	3.5				
	103	0.05	0.3	10.0					✓
	104	0.05	0.6	9.0					✓
	105	0.05	0.4	14.0			✓		
	106	0.05	3.1	50.0	25.0				
	107	0.10	1.1	8.5			✓		
	108	0.05	0.7	22.0	1.4				
	109	0.05	0.6	10.0		5.8			
	110	0.25	0.9	3.8					✓
	111	0.05	1.9	30.0	15.0				
	112	0.10	1.3	13.0	22.0				
	113	0.05	1.3	40.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-6. DATA FOR 7th AND 8th WEEK COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	114	0.05	1.4	46.0	2.9				
	115	0.05	0.8	24.0	1.5				
	116	0.10	0.6	6.7	11.0				
	117	0.05	0.4	14.0	0.9				
	118	0.05	0.6	9.0		5.2			
	119	0.05	0.7	11.0	5.5				
	120	0.05	0.6	10.0	5.0				
	121	0.10	1.2	13.0	21.0				
	122	0.05	1.9	60.0	3.7				
	123	0.05	0.7	22.0	1.4				
	124	0.05	0.5	8.0	4.0				
	125	0.05	0.9	30.0	1.9				
	126	0.05	0.4	14.0	0.9				
	127	0.05	0.6	20.0	1.2				
	128	0.05	1.2	19.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.3	5.0				✓	
	2	0.05	0.4	6.0			✓		
	3	0.05	0.4	6.0			✓		
	4	0.05	0.5	8.0				✓	
	5	0.05	0.4	12.0			✓		
	6	0.05	0.4	7.0			✓		
	7	0.05	0.6	10.0			✓		
	8	0.05	0.4	7.0			✓		
	9	0.10	0.5	4.0	16.0				
	10	0.05	0.7	11.0	5.5				
	11	0.05	0.3	5.0			✓		
	12	0.05	0.4	6.0			✓		
	13	0.05	1.1	18.0	9.0				
	14	0.05	0.3	5.0			✓		
	15	0.05	0.5	8.0			✓		
	16	0.05	0.8	13.0	6.5				
	17	0.05	0.6	9.0			✓		
	18	0.05	0.4	6.0			✓		
	19	0.05	0.3	5.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.6	9.0	4.5				
	21	0.05	1.0	16.0	8.0				
	22	0.05	2.7	43.0	21.0				
	23	0.05	0.5	8.0	4.0				
	24	0.05	0.5	8.0			✓		
	25	0.05	1.6	25.0	12.0				
	26	0.05	0.4	7.0	3.5				
	27	0.05	0.6	9.0			✓		
	28	0.05	0.8	13.0			✓		
	29	0.05	0.8	13.0	6.5				
	30	0.05	0.7	11.0	5.5				
	31	0.05	0.6	10.0			✓		
	32	0.05	0.4	6.0			✓		
	33	0.05	0.4	7.0			✓		
	34	0.05	1.2	19.0			✓		
	35	0.10	0.6	5.0	20.0				
	36	0.05	0.6	10.0			✓		
	37	0.05	0.6	10.0			✓		
	38	0.05	1.0	16.0	8.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.4	6.0	3.0				
	40	0.05	0.3	10.0					✓
	41	0.05	0.9	14.0	7.0				
	42	0.05	0.4	6.0			✓		
	43	0.05	0.4	7.0	3.5				
	44	0.05	1.1	18.0			✓		
	45	0.05	0.6	10.0			✓		
	46	0.05	0.4	7.0			✓		
	47	0.05	1.3	40.0			✓		
	48	0.80	2.8	3.5				✓	
	49	0.05	0.6	10.0			✓		
	50	0.05	0.4	6.0	3.0				
	51	0.05	0.4	6.0			✓		
	52	0.05	0.4	7.0	3.5				
	53	0.05	0.9	15.0	7.5				
	54	0.05	0.6	10.0			✓		
	55	0.05	0.7	11.0			✓		
	56	0.05	0.4	7.0			✓		
	57	0.10	0.6	4.5			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.4	7.0			✓		
	59	0.05	0.5	8.0			✓		
	60	0.05	0.3	5.0			✓		
	61	0.05	0.4	6.0	3.0				
	62	0.05	0.6	20.0	1.2				
	63	0.05	0.6	10.0	5.0				
	64	0.05	0.6	18.0			✓		
	65	0.05	0.4	7.0	3.5				
	66	0.05	0.6	9.0	4.5				
	67	0.05	1.6	25.0	12.0				
	68	0.05	0.4	6.0			✓		
	69	0.05	0.9	15.0			✓		
	70	0.05	0.8	12.0	6.0				
	71	0.25	1.8	7.0			✓		
	72	0.05	0.3	10.0			✓		
	73	0.05	0.3	5.0			✓		
	74	0.05	0.3	5.0			✓		
	75	0.05	0.4	7.0	3.5				
	76	0.05	0.5	8.0	4.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.6	9.0	4.5				
	78	0.05	0.6	18.0			✓		
	79	0.10	0.7	5.5	22.0				
	80	0.05	0.5	8.0			✓		
	81	0.05	0.6	10.0			✓		
	82	0.25	0.9	3.8			✓		
	83	0.05	0.3	5.0			✓		
	84	0.05	0.5	8.0	4.0				
	85	0.05	0.6	9.0	4.5				
	86	0.05	0.4	6.0			✓		
	87	0.05	15.3	248.0	120.0				
	88	0.20	2.1	11.0	150.0				
	89	0.05	1.1	17.0	8.5				
	90	0.10	1.1	8.5	34.0				
	91	0.05	1.4	22.0	11.0				
	92	0.05	0.3	5.0	2.5				
	93	0.05	0.3	5.0			✓		
	94	0.05	0.6	9.0			✓		
	95	0.05	1.3	21.0	10.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.8	13.0			✓		
	97	0.05	0.9	14.0			✓		
	98	0.05	0.5	8.0	4.0				
	99	0.05	0.4	6.0			✓		
	100	0.05	0.5	8.0			✓		
	101	0.05	1.1	18.0			✓		
	102	0.05	1.7	27.0	14.0				
	103	0.05	0.3	5.0			✓		
	104	0.05	0.6	9.0	4.5				
	105	0.05	0.4	7.0			✓		
	106	0.05	0.3	8.0			✓		
	107	0.05	0.4	12.0			✓		
	108	0.05	0.4	7.0			✓		
	109	0.05	0.3	5.0			✓		
	110	0.05	0.3	5.0			✓		
	111	0.05	0.4	14.0			✓		
	112	0.05	1.3	20.0			✓		
	113	0.30	3.8	12.0			✓		
	114	0.05	0.8	12.0	6.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.6	9.0			✓		
	116	0.05	0.6	9.0	4.5				
	117	0.10	1.0	8.0			✓		
	118	0.05	0.7	11.0	5.5				
	119	0.05	0.3	5.0			✓		
	120	0.05	2.8	45.0	22.0				
	121	0.05	0.6	10.0	5.0				
	122	0.05	0.8	13.0			✓		
	123	0.05	1.8	29.0			✓		
	124	0.05	0.5	8.0	4.0				
	125	0.05	0.4	7.0	3.5				
	126	0.05	0.3	5.0	2.5				
	127	0.05	0.6	10.0			✓		
	128	0.05	1.4	22.0			✓		
	129	0.05	1.1	17.0	8.5				
	130	0.05	0.3	10.0			✓		
	131	0.05	1.1	17.0	8.5				
	132	0.05	0.6	9.0	4.5				
	133	0.05	0.4	7.0	3.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.4	6.0	3.0				
	135	0.05	0.3	10.0			✓		
	136	0.05	0.7	11.0	5.5				
	137	0.05	0.5	8.0			✓		
	138	0.05	0.8	26.0			✓		
	139	0.05	0.8	13.0	6.5				
	140	0.05	0.5	8.0			✓		
	141	0.05	0.3	5.0			✓		
	142	0.05	1.0	16.0	8.0				
	143	0.05	0.9	15.0	7.5				
	144	0.05	0.6	10.0	5.0				
	145	0.05	0.4	7.0			✓		
	146	0.05	0.4	6.0	3.0				
	147	0.10	2.5	20.0	80.0				
	148	0.05	0.6	10.0	5.0				
	149	0.05	0.6	10.0	5.0				
	150	0.05	0.3	5.0	2.5				
	151	0.05	0.4	6.0			✓		
	152	0.05	0.3	5.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	0.8	13.0	6.5				
	154	0.05	0.3	4.0			✓		
	155	0.05	0.8	12.0	6.0				
	156	0.10	0.4	3.0	12.0				
	157	0.10	0.6	5.0	20.0				
	158	0.05	0.6	10.0			✓		
	159	0.05	0.4	6.0			✓		
	160	0.05	0.3	5.0					✓
	161	0.05	0.4	6.0	3.0				
	162	0.05	0.8	12.0			✓		
	163	0.05	0.3	4.0			✓		
	164	0.05	0.3	5.0			✓		
	165	0.05	0.8	12.0	6.0				
	166	0.10	1.0	8.0			✓		
	167	0.05	0.9	15.0			✓		
	168	0.05	0.6	10.0	5.0				
	169	0.10	0.9	7.5	30.0				
	170	0.05	1.1	18.0	9.0				
	171	0.05	0.6	10.0	5.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	172	0.05	0.4	6.0			✓		
	173	0.10	3.1	25.0			✓		
	174	0.05	0.6	9.0	4.5				
	175	0.05	0.4	7.0	3.5				
	176	0.05	0.4	6.0	3.0				
	177	0.05	0.9	15.0			✓		
	178	0.05	6.3	100.0	50.0				
	179	0.05	0.4	6.0			✓		
	180	0.05	0.5	8.0	4.0				
	181	0.05	0.3	5.0	2.5				
	182	0.05	0.5	8.0	4.0				
	183	0.05	0.4	6.0	3.0				
	184	0.05	0.8	12.0	6.0				
	185	0.05	0.8	13.0	6.5				
	186	0.05	0.6	10.0			✓		
	187	0.05	0.3	5.0			✓		
	188	0.05	0.6	9.0	4.5				
	189	0.05	0.6	20.0			✓		
	190	0.05	0.4	6.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-7. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, GHILOTTI BROTHERS, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	191	0.05	0.4	5.0			✓		
	192	0.05	0.4	7.0	3.5				
	193	0.05	0.5	16.0	1.0				
	194	0.05	0.6	10.0	5.0				
	195	0.05	0.6	9.0	4.5				
	196	0.05	0.4	6.0	3.0				
	197	0.05	0.5	16.0	1.0				
	198	0.05	0.3	5.0	2.5				
	199	0.05	0.3	4.0			✓		
	200	0.05	0.4	7.0			✓		
	201	0.05	0.2	3.0			✓		
	202	0.05	0.4	6.0	3.0				
	203	0.05	0.3	5.0	2.5				
	204	0.05	0.4	7.0	3.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.8	19.0	3.2				
	2	0.05	0.3	5.0			✓		
	3	0.05	0.5				✓		
	4	0.05	0.3	5.0			✓		
	5	0.05	0.4	7.0			✓		
	6	0.05	0.5	8.0	4.0				
	7	0.05	0.2	3.0	1.5				
	8	0.05	1.4	23.0	12.0				
	9	0.05	1.3	30.0			✓		
	10	0.05	1.6	50.0	3.1				
	11	0.05	0.2	3.0					✓
	12	0.05	0.2	3.0					✓
	13	0.05	2.0	32.0					✓
	14	0.05	2.5	40.0					✓
	15	0.05	1.3	40.0	2.5				
	16	0.05	0.2	3.0			✓		
	17	0.05	0.4	12.0	0.7				
	18	0.05	0.5	16.0	1.0				
	19	0.05	0.6	20.0	1.2				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.8	24.0	1.5				
	21	0.05	0.6	25.0	0.8				
	22	0.05	0.6	25.0	0.8				
	23	0.05	0.8	15.0	3.8				
	24	0.05	0.4	8.6			✓		
	25	0.05	0.2	3.0			✓		
	26	0.05	0.6	10.0			✓		
	27	0.05	0.3	5.0			✓		
	28	0.05	0.2	3.0			✓		
	29	0.05	1.4	46.0	2.9				
	30	0.05	0.6	20.0	1.2				
	31	0.05	0.6	20.0			✓		
	32	0.05	0.6	20.0			✓		
	33	0.05	1.3	40.0			✓		
	34	0.05	0.9	15.0					✓
	35	0.05	0.7	9.0					✓
	36	0.05	2.2	70.0	4.4				
	37	0.10	1.4	15.0		29.0			
	38	0.05	0.8	25.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.6	10.0					✓
	40	0.05	0.6	10.0					✓
	41	0.05	0.3	5.0					✓
	42	0.05	0.3	5.0					✓
	43	0.05	0.9	15.0			✓		
	44	0.05	0.3	5.0			✓		
	45	0.05	0.3	5.0			✓		
	46	0.05	0.4	12.0		0.9			
	47	0.05	0.3	17.0	0.2				
	48	0.05	1.1	17.0					✓
	49	0.05	0.8	12.0					✓
	50	0.10	0.6	5.0	20.0				
	51	0.05	1.1	18.0	9.0				
	52	0.10	0.9	10.0			✓		
	53	0.05	0.4	7.0			✓		
	54	0.05	0.4	7.0					✓
	55	0.05	3.1	100.0	6.2				
	56	0.05	0.9	30.0	1.9				
	57	0.05	0.9	30.0	1.9				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.9	30.0	1.9				
	59	0.05	1.1	34.0	2.1				
	60	0.10	0.5	5.3		10.0			
	61	0.05	0.6	10.0		5.8			
	62	0.05	1.0	16.0	8.0				
	63	0.20	0.8	4.0			✓		
	64	0.10	1.4	11.0		51.0			
	65	0.05	1.9	60.0	3.7				
	66	0.05	1.3	67.0	0.9				
	67	0.05	1.3	29.0			✓		
	68	0.15	0.5	3.2				✓	
	69	0.05	0.7	11.0		6.3			
	70	0.05	0.8	17.0	2.9				
	71	0.05	0.3	5.0		2.9			
	72	0.05	0.4	14.0	0.9				
	73	0.05	0.4	14.0	0.9				
	74	0.05	0.8	26.0	1.6				
	75	0.05	0.4	6.0					✓
	76	0.05	0.6	10.0		5.8			
	77	0.05	1.1	34.0	2.1				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	78	0.05	0.9	30.0			✓		
	79	0.10	1.3	13.0			✓		
	80	0.05	1.7	39.0	6.6				
	81	0.05	0.4	6.0		3.5			
	82	0.10	0.4	3.5					✓
	83	0.05	13.8	1200.0	5.0				
	84	0.05	1.6	83.0	1.1				
	85	0.05	1.3	40.0			✓		
	86	0.05	0.4	6.0		3.5			
	87	0.05	0.4	6.0		3.5			
	88	0.20	0.8	4.0					✓
	89	0.20	0.6	3.3					✓
	90	0.05	0.6	9.0					✓
	91	0.05	0.4	6.0					✓
	92	0.05	0.6	20.0	1.2				
	93	0.05	0.3	5.0		2.9			
	94	0.05	0.8	24.0	1.5				
	95	0.05	0.6	20.0	1.2				
	96	0.05	0.6	20.0	1.2				
	97	0.05	1.3	40.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	98	0.05	0.4	34.0	0.9				
	99	0.05	7.5	240.0	15.0				
	100	0.05	18.8	350.0	170.0				
	101	0.05	0.3	10.0			✓		
	102	0.10	0.4	4.0		7.8			
	103	0.05	10.6	340.0	21.0				
	104	0.05	2.5	40.0	20.0				
	105	0.05	0.6	33.0	0.4				
	106	0.05	0.9	14.0	7.0				
	107	0.05	1.1	24.0	4.2				
	108	0.05	1.7	39.0	6.6				
	109	0.05	1.6	50.0	3.1				
	110	0.05	3.8	120.0	7.5				
	111	0.05	3.8	120.0	7.5				
	112	0.05	5.6	300.0	4.0				
	113	0.05	0.9	15.0		8.6			
	114	0.05	1.9	30.0	15.0				
	115	0.05	2.5	8.0	5.0				
	116	0.05	1.3	40.0	2.5				
	117	0.05	0.5	8.0		4.6			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	118	0.05	0.6	10.0		5.8			
	119	0.20	1.9	10.0			✓		
	120	0.05	1.6	36.0	6.1				
	121	0.05	2.3	36.0		21.0			
	122	0.05	1.3	20.0	10.0				
	123	0.05	3.6	110.0	7.1				
	124	0.60	3.1	50.0				✓	
	125	0.20	1.9	10.0		160.0			
	126	0.05	1.3	20.0	10.0				
	127	0.20	1.3	6.7			✓		
	128	0.05	1.9	60.0	3.7				
	129	0.05	1.9	60.0	3.7				
	130	0.05	10.6	240.0	21.0				
	131	0.05	0.6	10.0		5.8			
	132	0.10	0.6	4.5		21.0			
	133	0.05	0.8	12.0	6.0				
	134	0.30	5.0	16.0	100.0				
	135	0.20	1.3	6.7		100.0			
	136	0.05	3.1	100.0	6.2				
	137	0.10	5.0	40.0	160.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	138	0.05	2.7	86.0	5.4				
	139	0.05	1.1	36.0	1.4				
	140	0.05	0.6	20.0	1.2				
	141	0.05	0.8	24.0	1.5				
	142	0.10	0.4	4.7		9.1			
	143	0.10	0.6	4.5		21.0			
	144	0.05	0.5	7.5		4.3			
	145	0.05	0.3	10.0	0.6				
	146	0.05	0.4	7.0		4.0			
	147	0.05	0.5	8.0		4.6			
	148	0.05	0.6	10.0		5.8			
	149	0.05	1.3	40.0	2.5				
	150	0.05	0.6	20.0	1.2				
	151	0.05	0.9	21.0	3.7				
	152	0.05	0.9	15.0			✓		
	153	0.45	1.9	4.3				✓	
	154	0.05	0.9	30.0	1.9				
	155	0.10	0.6	5.0			✓		
	156	0.45	1.9	4.3		850.0			
	157	0.05	4.1	130.0	8.1				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	158	0.02	0.8	4.0			✓		
	159	0.05	1.3	40.0	2.5				
	160	0.05	0.3	10.0			✓		
	161	0.05	0.4	14.0			✓		
	162	0.05	0.9	15.0		8.6			
	163	0.05	7.5	170.0	29.0				
	164	0.05	1.6	36.0	6.1				
	165	0.05	0.7	11.0				✓	
	166	0.05	0.4	6.0				✓	
	167	0.10	0.6	6.7				✓	
	168	0.05	1.9	60.0	3.7				
	169	0.05	3.8	120.0	7.5				
	170	0.05	1.3	40.0	2.5				
	171	0.05	0.6	18.0	1.1				
	172	0.05	0.4	6.0			✓		
	173	0.05	0.2	3.0			✓		
	174	0.05	0.2	3.0			✓		
	175	0.10	1.3	13.0		26.0			
	176	0.05	1.0	23.0	3.9				
	177	0.05	1.8	56.0	3.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	178	0.05	0.4	7.0				✓	
	179	0.60	1.9	3.0			✓		
	180	0.10	0.9	7.0			✓		
	181	0.05	0.4	7.0			✓		
	182	0.05	0.3	5.0			✓		
	183	0.05	0.6	10.0					✓
	184	0.10	0.4	3.0			✓		
	185	0.20	0.6	3.3		52.0			
	186	0.05	0.4	6.0		3.5			
	187	0.20	0.8	4.3		67.0			
	188	0.05	0.8	19.0	3.2				
	189	0.05	0.6	10.0	5.0				
	190	0.05	0.6	20.0	1.2				
	191	0.60	3.1	5.0			✓		
	192	0.05	1.3	40.0	2.5				
	193	0.05	0.6	20.0	1.2				
	194	0.05	1.4	44.0	2.7				
	195	0.05	1.9	60.0	3.7				
	196	0.05	1.3	40.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-8. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	197	0.05	0.3	10.0	0.6				
	198	0.05	0.4	12.0	0.7				
	199	0.05	0.8	24.0	1.5				
	200	0.05	1.1	51.0	0.8				
	201	0.10	1.0	11.0		21.0			
	202	0.05	0.6	10.0		5.8			
	203	0.05	0.2	3.0		1.7			
	204	0.05	0.2	3.5		2.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-9. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.4	6.0				✓	
	2	0.05	1.4	22.0	11.0				
	3	0.05	0.6	10.0			✓		
	4	0.10	1.0	8.0		37.0			
	5	0.25	1.4	5.8	180.0				
	6	0.05	1.0	16.0			✓		
	7	0.05	0.6	10.0	5.0				
	8	0.05	0.4	6.0			✓		
	9	0.05	0.4	14.0			✓		
	10	0.05	0.4	6.0			✓		
	11	0.05	0.6	10.0			✓		
	12	0.05	1.4	22.0			✓		
	13	0.05	0.4	7.0			✓		
	14	0.25	1.0	4.0			✓		
	15	0.60	2.0	3.2		1800.0			
	16	0.25	2.9	12.0			✓		
	17	0.05	0.6	10.0	5.0				
	18	0.05	0.8	12.0			✓		
	19	0.30	1.4	4.6		330.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-9. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.10	0.6	10.0			✓		
	21	0.05	1.8	14.0	56.0				
	22	0.05	0.8	12.0				✓	
	23	0.05	4.2	67.0	33.0				
	24	0.05	2.1	34.0	17.0				
	25	0.10	0.9	7.5			✓		
	26	0.05	1.1	18.0	9.0				
	27	0.05	0.4	7.0	3.5				
	28	0.05	0.3	5.0				✓	
	29	0.10	0.8	6.5			✓		
	30	0.80	3.3	4.0			✓		
	31	0.05	0.8	13.0				✓	
	32	0.05	1.6	25.0			✓		
	33	0.05	0.8	13.0	6.5				
	34	0.10	1.8	14.0		64.0			
2	35	0.10	0.9	7.0			✓		
	36	0.20	0.8	4.0				✓	
	37	0.05	0.8	13.0	6.5				
	38	0.05	0.5	8.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-9. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	3.4	110.0			✓		
	40	0.05	1.1	18.0	9.0				
	41	0.10	1.3	12.0	42.0				
	42	0.05	0.8	13.0			✓		
	43	0.05	1.1	34.0			✓		
	44	0.05	1.0	16.0	8.0				
	45	0.10	1.7	14.0				✓	
	46	0.05	0.6	10.0	5.0				
	47	0.05	0.7	11.0		6.3			
	48	0.05	0.9	14.0			✓		
	49	0.05	0.4	7.0				✓	
	50	0.05	0.6	9.0				✓	
	51	0.05	0.3	5.0			✓		
	52	0.05	1.6	25.0	13.0				
	53	0.25	0.9	3.8		140.0			
	54	0.05	0.9	15.0	7.5				
	55	0.05	1.0	16.0			✓		
	56	0.10	0.6	4.5			✓		
	57	0.20	1.5	8.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-9. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	1.5	24.0			✓		
	59	0.05	0.9	14.0	7.0				
	60	0.05	1.4	23.0			✓		
	61	0.05	1.0	16.0	8.0				
	62	0.05	0.8	12.0	6.0				
	63	0.20	1.5	8.0		120.0			
	64	0.10	1.0	8.0	32.0				
	65	0.10	0.9	7.5			✓		
	66	0.25	1.3	5.0		180.0			
	67	0.05	0.3	5.0	2.5				
	68	0.05	0.4	14.0	0.9				
	69	0.05	1.1	17.0			✓		
	70	0.05	0.4	6.0				✓	
	71	0.25	1.2	4.8			✓		
	72	0.05	1.5	24.0			✓		
	73	0.10	0.9	7.5	30.0				
	74	0.10	1.9	15.0	60.0				
	75	0.05	0.6	10.0			✓		
	76	0.10	0.8	6.0		28.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-9. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	1.1	18.0	9.0				
	78	0.05	0.4	7.0			✓		
	79	0.05	18.0	288.0	140.0				
	80	0.05	1.1	17.0			✓		
	81	0.25	1.1	4.5		170.0			
	82	0.05	0.9	14.0				✓	
	83	0.05	0.6	10.0				✓	
	84	0.05	1.0	16.0	8.0				
	85	0.10	2.1	17.0	68.0				
	86	0.05	1.0	32.0			✓		
	87	0.05	0.3	5.0			✓		
	88	0.05	0.4	7.0	3.5				
	89	0.70	2.4	3.5		2600.0			
	90	0.25	0.9	3.5		130.0			
	91	0.05	2.6	41.0			✓		
	92	0.75	2.6	3.5			✓		
	93	0.20	1.5	8.0			✓		
	94	0.05	3.9	62.0	31.0				
	95	0.05	0.4	6.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-9. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.7	11.0	5.5				
	97	0.05	1.6	25.0	13.0				
	98	0.10	0.7	5.5	22.0				
	99	0.05	0.9	15.0			✓		
	100	0.10	1.7	14.0			✓		
	101	0.05	0.4	7.0			✓		
	102	0.20	0.8	4.3			✓		
	103	0.20	0.8	4.0			✓		
	104	0.05	0.6	9.0			✓		
	105	0.05	1.3	20.0	10.0				
	106	0.25	1.7	6.8		250.0			
	107	0.20	1.7	9.0			✓		
	108	0.10	0.8	6.5			✓		
	109	0.10	4.5	36.0	140.0				
	110	0.05	0.4	6.0			✓		
	111	0.05	2.1	33.0			✓		
	112	0.25	0.9	3.8			✓		
	113	0.10	5.1	41.0			✓		
	114	0.05	8.9	142.0	71.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-9. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.8	13.0			✓		
	116	0.10	0.6	5.0			✓		
	117	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-10. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.6	9.0	4.5				
	2	0.05	0.8	26.0				✓	
	3	0.10	0.7	5.5				✓	
	4	0.05	2.0	32.0					
	5	0.05	1.3	20.0	10.0				
	6	0.05	0.9	30.0			✓		
	7	0.05	0.5	8.0			✓		
	8	0.05	1.3	42.0	2.6				
	9	0.05	0.6	20.0	1.2				
	10	0.05	0.7	22.0			✓		
	11	0.20	0.8	4.0				✓	
	12	0.05	1.4	23.0	12.0				
	13	0.05	7.2	130.0	14.3				
	14	0.05	1.9	30.0	15.0				
	15	0.05	0.9	15.0	7.5				
	16	0.05	1.1	17.0			✓		
	17	0.05	1.3	20.0			✓		
	18	0.05	5.9	95.0	47.0				
	19	0.10	0.5	4.0	16.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-10. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
2	20	0.05	0.7	11.0	5.5				
	21	0.05	0.6	18.0			✓		
	22	0.05	4.1	66.0			✓		
	23	0.05	2.6	41.0	20.0				
	24	0.05	7.4	236.0	14.7				
	25	0.05	2.5	40.0	20.0				
	26	0.05	1.3	21.0	10.0				
	27	0.05	0.6	10.0	5.0				
	28	0.05	0.5	8.0			✓		
	29	0.05	7.0	224.0	14.0				
	30	0.05	0.8	13.0	6.5				
	31	0.05	2.5	40.0	20.0				
	32	0.05	1.3	21.0			✓		
	33	0.05	1.0	16.0	8.0				
	34	0.05	0.6	10.0	5.0				
	35	0.05	8.8	280.0	17.4				
	36	0.05	1.8	29.0	14.0				
	37	0.10	0.7	5.5				✓	
	38	0.05	0.7	11.0	5.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-10. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.8	13.0	6.5				
	40	0.05	1.6	25.0	12.0				
	41	0.05	1.6	25.0			✓		
	42	0.05	3.0	48.0	24.0				
	43	0.05	0.5	8.0	4.0				
	44	0.05	1.0	16.0			✓		
	45	0.05	1.0	32.0	2.0				
	46	0.05	5.8	190.0	12.0				
	47	0.05	0.5	8.0	4.0				
	48	0.05	0.3	6.0	3.0				
	49	0.10	1.3	10.0	40.0				
	50	0.05	0.8	24.0			✓		
	51	0.05	0.6	20.0	1.2				
	52	0.05	2.2	35.0	17.0				
	53	0.05	0.5	8.0	4.0				
	54	0.05	1.6	26.0	13.0				
	55	0.05	0.9	28.0	1.7				
	56	0.05	1.0	16.0	8.0				
	57	0.05	0.6	20.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-10. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.3	10.0			✓		
	59	0.05	0.9	15.0	7.5				
	60	0.05	0.6	20.0			✓		
	61	0.05	0.3	5.0			✓		
	62	0.05	1.3	40.0	2.5				
	63	0.05	0.9	30.0	1.9				
	64	0.05	1.1	36.0	2.2				
3	65	0.05	1.9	30.0	15.0				
	66	0.05	0.3	5.0			✓		
	67	0.05	0.4	6.0	3.0				
	68	0.05	0.6	10.0	5.0				
	69	0.05	0.6	9.0	4.5				
	70	0.05	0.8	26.0	1.6				
	71	0.05	0.3	10.0	0.6				
	72	0.05	0.7	11.0	5.5				
	73	0.20	1.3	6.7			✓		
	74	0.05	0.9	15.0	7.5				
	75	0.90	3.1	3.3				✓	
	76	0.05	0.9	28.0	1.7				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-10. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.8	24.0			✓		
	78	0.05	0.4	7.0	3.5				
	79	0.05	5.2	170.0	10.0				
	80	0.05	1.1	18.0	9.0				
	81	0.05	8.4	135.0	67.0				
	82	0.05	3.8	60.0	30.0				
	83	0.05	2.2	35.0	17.0				
	84	0.30	1.8	5.6				✓	
	85	0.05	0.7	22.0			✓		
	86	0.05	1.6	50.0	3.1				
	87	0.05	0.9	15.0	2.5				
	88	0.05	5.3	170.0			✓		
	89	0.05	26.2	838.0	2.4				
	90	0.05	1.6	26.0			✓		
	91	0.05	0.5	8.0	4.0				
	92	0.05	1.8	28.0	14.0				
	93	0.05	15.3	490.0	30.5				
	94	0.05	0.9	15.0	7.5				
	95	0.05	0.3	10.0	0.6				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-10. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	97	0.05	0.8	13.0			✓		
	98	0.05	1.5	24.0	12.0				
	99	0.05	1.0	16.0	8.0				
	100	0.05	1.4	46.0	2.9				
	101	0.60	1.9	3.0			✓		
	102	0.05	2.5	40.0	20.0				
	103	0.05	9.3	148.0	74.0				
	104	0.05	1.1	18.0			✓		
	105	0.05	4.1	130.0	8.1				
	106	0.05	1.0	32.0	2.0				
	107	0.05	0.8	13.0	6.5				
	108	0.05	0.7	11.0	5.5				
	109	0.05	0.3	10.0			✓		
	110	0.05	5.1	82.0	41.0				
	111	0.05	7.2	230.0	14.3				
	112	0.10	0.6	5.0	20.0				
	113	0.05	0.9	28.0			✓		
	114	0.05	0.7	11.0	5.5				
	115	0.05	0.4	7.0	3.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-10. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	116	0.05	0.4	7.0			✓		
	117	0.05	0.4	7.0	3.5				
	118	0.05	0.8	13.0			✓		
	119	0.05	0.6	9.0	4.5				
	120	0.05	0.8	12.0			✓		
	121	0.05	0.6	10.0			✓		
	122	0.05	1.1	17.0	8.5				
	123	0.05	2.6	84.0			✓		
	124	0.05	0.7	22.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-11. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.9	14.0		8.1			
	2	0.05	0.4	7.0			✓		
	3	0.05	1.5	408.0	44.0				
	4	0.05	9.4	250.0	27.0				
	5	0.05	1.9	43.0	7.3				
	6	0.05	2.2	35.0	17.0				
	7	0.20	0.6	3.3		52.0			
	8	0.05	0.6	13.0	2.2				
	9	0.05	0.3	7.1	1.2				
	10	0.05	0.4	6.0	3.0				
	11	0.05	0.3	5.0			✓		
	12	0.05	1.4	22.0				✓	
	13	0.05	1.1	18.0	9.0				
	14	0.05	0.9	21.0	3.7				
	15	0.05	0.5	8.0	4.0				
	16	0.05	0.6	10.0			✓		
	17	0.05	0.4	12.0	0.7				
	18	0.05	0.2	3.0			✓		
	19	0.05	0.2	3.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-11. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.10	0.4	5.0		5.0			
	21	0.05	0.3	10.0	0.6				
	22	0.50	2.5	5.0		1500.0			
	23	0.05	0.8	12.0		6.9			
	24	0.05	2.8	44.0	22.0				
	25	0.05	0.7	11.0	5.5				
	26	0.05	0.6	13.0	2.2				
	27	0.05	0.6	10.0		5.8			
	28	0.05	0.9	20.0	3.4				
	29	0.05	0.3	10.0	0.6				
	30	0.05	1.9	60.0	3.7				
	31	0.05	3.8	120.0	7.5				
	32	0.05	20.6	330.0	160.0				
	33	0.05	2.2	120.0	1.6				
	34	0.05	0.6	10.0	5.0				
	35	0.05	1.1	18.0	9.0				
	36	0.05	0.4	6.0				✓	
	37	0.05	1.4	22.0	11.0				
	38	0.05	11.3	390.0	22.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-11. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.8	13.0	6.5				
	40	0.05	0.6	10.0	5.0				
	41	0.05	0.4	7.0	3.5				
	42	0.10	0.7	7.3		14.0			
	43	0.10	0.3	3.3		6.5			
	44	0.05	10.6	570.0	7.6				
	45	0.05	2.2	50.0	8.6				
	46	0.05	5.9	190.0	12.0				
	47	0.05	2.5	40.0	20.0				
	48	0.05	7.5	400.0	5.4				
	49	0.05	1.3	40.0	2.5				
	50	0.05	0.9	15.0			✓		
	51	0.05	1.1	17.0			✓		
	52	0.05	3.3	53.0	26.0				
	53	0.05	4.1	54.0	47.0				
	54	0.05	4.5	72.0	36.0				
	55	0.10	2.8	29.0	49.0				
	56	0.25	1.0	4.0		150.0			
	57	0.05	0.8	13.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-11. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.8	12.0			✓		
	59	0.20	4.8	22.0	470.0				
	60	0.10	1.3	80.0		26.0			
	61	0.05	1.3	21.0	11.0				
	62	0.05	7.8	260.0	16.0				
	63	0.05	24.0	550.0	94.0				
	64	0.10	0.7	7.3		14.0			
	65	0.05	3.8	60.0	30.0				
	66	0.05	1.1	17.0	8.5				
	67	0.05	1.9	43.0			✓		
	68	0.05	3.1	42.0	36.0				
	69	0.05	9.4	210.0	37.0				
	70	0.05	1.3	20.0		12.0			
	71	0.05	0.8	26.0	1.6				
	72	0.10	0.4	4.0		7.8			
	73	0.05	0.4	7.0			✓		
	74	0.05	1.3	40.0	2.5				
	75	0.05	20.4	270.0	234.0				
	76	0.05	3.5	190.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-11. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	8.1	650.0	2.6				
	78	0.05	1.9	30.0	15.0				
	79	0.05	0.9	14.0			✓		
	80	0.05	1.3	40.0	2.5				
	81	0.05	0.8	19.0	3.2				
	82	0.05	1.9	43.0	7.3				
	83	0.05	1.9	100.0	1.3				
	84	0.05	2.3	72.0	4.5				
	85	0.05	0.7	11.0			✓		
	86	0.05	0.4	7.0			✓		
	87	0.05	0.7	11.0			✓		
	88	0.05	0.8	12.0		6.9			
	89	0.05	21.3	1100.0	15.0				
	90	0.05	20.0	1100.0	14.0				
	91	0.10	1.9	20.0	34.0				
	92	0.05	1.0	16.0	8.0				
	93	0.05	0.6	9.0			✓		
	94	0.05	3.1	71.0	12.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-11. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	95	0.05	5.3	170.0	11.0				
	96	0.05	2.5	57.0	9.8				
	97	0.05	0.6	10.0		5.8			
	98	0.05	0.3	5.0		2.9			
	99	0.05	0.9	14.0	7.0				
	100	0.05	0.8	26.0	1.6				
	101	0.05	0.4	8.6	1.5				
	102	0.05	2.8	88.0	5.5				
	103	0.05	2.0	110.0	1.4				
	104	0.05	2.5	80.0	5.0				
	105	0.05	0.5	16.0	1.0				
	106	0.05	1.4	22.0	11.0				
	107	0.05	1.3	20.0	10.0				
	108	0.05	1.1	17.0	8.5				
	109	0.05	3.8	50.0	43.0				
	110	0.05	23.8	380.0	190.0				
	111	0.05	0.6	10.0		5.8			
	112	0.05	0.3	10.0			✓		
	113	0.05	3.1	42.0		41.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-11. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	114	0.15	1.1	7.2		65.0			
	115	0.15	1.4	8.8		79.0			
	116	0.05	1.7	27.0	14.0				
	117	0.05	1.9	25.0	22.0				
	118	0.05	2.9	94.0	5.9				
	119	0.20	0.8	3.7				✓	
	120	0.15	1.0	6.4		58.0			
	121	0.10	0.4	4.0		7.8			
	122	0.05	1.3	20.0		12.0			
	123	0.05	0.4	7.0			✓		
	124	0.15	0.6	4.0		36.0			
	125	0.05	3.5	80.0	14.0				
	126	0.10	0.6	6.7			✓		
	127	0.05	0.6	9.0			✓		
	128	0.05	1.9	30.0	15.0				
	129	0.10	1.0	11.0		21.0			
	130	0.05	1.9	43.0	7.3				
	131	0.05	4.4	230.0	3.1				
	132	0.05	10.0	320.0	20.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-11. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	133	0.10	0.6	4.5		21.0			
	134	0.20	1.3	5.7		140.0			
	135	0.10	0.6	5.0		23.0			
	136	0.05	1.3	40.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-12. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.3	5.0				✓	
	2	0.05	0.7	11.0	5.5				
	3	0.05	0.3	5.0			✓		
	4	0.30	2.3	7.2				✓	
	5	0.05	0.6	18.0			✓		
	6	0.05	1.4	23.0	12.0				
	7	0.05	1.6	50.0			✓		
	8	0.05	0.8	13.0	6.5				
2	9	0.05	8.3	216.0			✓		
	10	0.05	3.3	110.0			✓		
	11	0.05	0.5	8.0			✓		
	12	0.05	0.5	8.0				✓	
	13	0.05	1.0	16.0	8.0				
	14	0.05	1.3	20.0	10.0				
	15	0.05	1.1	18.0			✓		
	16	0.05	4.5	72.0	36.0				
	17	0.05	0.9	30.0			✓		
	18	0.05	5.4	87.0	43.0				
3	19	0.05	0.6	9.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-12. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	1.3	20.0				✓	
4	21	0.05	0.6	9.0	4.5				
5	22	0.60	2.1	3.3				✓	
	23	0.05	0.5	8.0	4.0				
	24	0.05	0.3	5.0			✓		
	25	0.05	0.3	5.0			✓		
	26	0.05	0.9	14.0	7.0				
	27	0.05	0.6	9.0	4.5				
	28	0.05	0.4	6.0				✓	
	29	0.05	1.9	62.0	3.9				
	30	0.05	0.9	14.0			✓		
6	31	0.05	0.4	7.0	3.5				
	32	0.05	0.3	6.0				✓	
	33	0.10	0.6	4.5				✓	
	34	0.10	1.1	8.5			✓		
	35	0.10	0.7	5.5			✓		
	36	0.05	18.0	288.0	144.0				
	37	0.05	1.8	56.0	3.5				
7	38	0.05	0.9	15.0		8.6			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-12. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.8	13.0			✓		
8	40	0.05	20.3	325.0	162.0				
9	41	0.05	0.4	7.0	3.5				
	42	0.05	1.3	40.0			✓		
	43	0.05	0.5	8.0			✓		
	44	0.05	1.3	21.0				✓	
	45	0.05	0.9	14.0				✓	
	46	0.05	6.1	200.0	12.0				
10	47	0.05	3.9	120.0	7.7				
	48	0.05	2.3	72.0	4.5				
	49	0.10	0.9	7.5				✓	
	50	0.20	0.9	5.0			✓		
	51	0.05	0.5	8.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-13. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	1.4	22.0			✓		
	2	0.05	0.9	15.0			✓		
	3	0.05	0.8	24.0	1.5				
	4	0.05	0.3	4.0	2.0				
	5	0.05	0.4	7.0	3.5				
	6	0.05	0.9	14.0			✓		
	7	0.05	0.3	4.0			✓		
	8	0.05	1.7	27.0			✓		
	9	0.05	2.5	80.0	5.0				
	10	0.05	1.6	25.0	13.0				
	11	0.10	0.6	5.0				✓	
	12	0.05	0.8	13.0	6.5				
	13	0.05	0.9	15.0				✓	
	14	0.05	0.9	14.0	7.0				
	15	0.05	15.4	246.0	123.0				
	16	0.05	0.8	12.0	6.0				
	17	0.05	0.9	30.0			✓		
	18	0.05	0.8	24.0			✓		
	19	0.05	1.0	16.0	8.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-13. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-12} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	2.1	66.0	4.1				
	21	0.05	0.6	20.0	1.2				
	22	0.05	0.8	24.0	1.5				
	23	0.05	0.6	9.0	4.5				
	24	0.05	0.8	13.0	6.5				
	25	0.05	0.8	26.0	1.6				
	26	0.05	21.3	680.0	42.4				
	27	0.05	1.1	34.0	2.1				
	28	0.05	4.0	130.0	8.0				
	29	0.05	1.9	30.0	15.0				
	30	0.05	6.7	114.0	13.3				
	31	0.05	3.3	100.0			✓		
	32	0.05	7.6	244.0	15.2				
	33	0.05	2.9	47.0	23.0				
	34	0.05	0.4	6.0	3.0				
	35	0.05	1.3	20.0	10.0				
	36	0.05	0.4	7.0			✓		
	37	0.05	0.5	16.0	1.0				
	38	0.05	0.6	20.0	1.2				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-13. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.3	10.0					✓
	40	0.05	0.6	9.0	4.5				
	41	0.05	1.8	56.0	3.5				
	42	0.05	1.3	40.0	2.5				
	43	0.05	0.4	6.0			✓		
	44	0.05	1.3	20.0			✓		
	45	0.05	1.1	18.0			✓		
	46	0.05	0.9	30.0					
	47	0.05	0.9	15.0	7.5				✓
	48	0.05	1.1	36.0	2.2				
	49	0.05	0.8	13.0	6.5				
	50	0.05	0.6	10.0	5.0				
	51	0.05	1.8	28.0			✓		
	52	0.05	1.0	32.0	2.0				
	53	0.05	1.3	40.0	2.5				
	54	0.05	0.9	28.0	1.7				
	55	0.05	0.9	30.0					
	56	0.05	0.9	30.0	1.9				✓
	57	0.05	1.6	26.0	13.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-13. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	1.0	16.0			✓		
	59	0.05	0.4	14.0			✓		
	60	0.05	0.6	10.0			✓		
	61	0.05	3.4	55.0			✓		
	62	0.05	0.8	13.0			✓		
	63	0.05	1.1	34.0			✓		
	64	0.05	0.5	16.0	1.0				
	65	0.05	7.9	254.0	16.0				
	66	0.05	0.8	26.0			✓		
	67	0.05	10.4	334.0	21.0				
	68	0.05	1.9	30.0			✓		
	69	0.05	3.0	48.0	24.0				
	70	0.05	1.3	42.0	2.6				
	71	0.05	0.3	5.0			✓		
	72	0.05	1.0	32.0			✓		
	73	0.05	4.9	78.0	39.0				
	74	0.05	0.9	7.5	30.0				
	75	0.05	1.6	26.0			✓		
	76	0.05	0.7	22.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-13. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.9	15.0	7.5				
2	78	0.10	0.9	7.5	28.0				
	79	0.05	8.0	256.0	16.0				
	80	0.05	0.6	20.0	1.2				
	81	0.05	1.7	27.0	14.0				
	82	0.05	0.6	18.0			✓		
	83	0.05	0.6	18.0			✓		
	84	0.05	1.4	22.0	11.0				
	85	0.05	0.6	20.0	1.2				
	86	0.05	1.6	50.0	3.1				
	87	0.05	1.0	16.0	8.0				
	88	0.05	0.6	9.0	4.5				
	89	0.05	8.8	140.0	70.0				
	90	0.05	0.6	10.0			✓		
	91	0.05	0.5	8.0	4.0				
	92	0.05	1.0	32.0					✓
	93	0.05	8.9	142.0	71.0				
	94	0.05	0.8	12.0			✓		
	95	0.10	0.9	7.5		34.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-13. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.4	3.0			✓		
	97	0.05	0.6	9.0			✓		
	98	0.05	1.8	28.0	14.0				
	99	0.05	0.9	30.0			✓		
	100	0.05	0.6	10.0	5.0				
	101	0.05	1.6	50.0	3.1				
	102	0.05	0.5	16.0	1.0				
	103	0.05	9.7	310.0			✓		
	104	0.05	3.3	100.0			✓		
	105	0.05	0.6	18.0	1.1				
	106	0.05	7.4	236.0			✓		
	107	0.05	1.6	26.0	13.0				
	108	0.05	0.6	10.0	5.0				
	109	0.05	1.6	52.0	3.2				
	110	0.05	3.2	100.0	6.4				
	111	0.05	2.8	44.0	22.0				
	112	0.05	0.9	15.0					✓
	113	0.05	0.3	10.0			✓		
	114	0.05	0.3	5.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-13. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.6	20.0			✓		
	116	0.05	5.4	86.0			✓		
	117	0.05	0.8	12.0	6.0				
	118	0.05	0.4	7.0	3.5				
	119	0.05	0.6	20.0	1.2				
	120	0.05	1.3	42.0			✓		
	121	0.05	6.6	110.0			✓		
	122	0.05	1.3	42.0	2.6				
	123	0.05	1.9	60.0	3.7				
	124	0.05	0.8	26.0			✓		
	125	0.05	0.7	11.0			✓		
	126	0.05	0.9	14.0			✓		
	127	0.05	0.6	20.0	1.2				
	128	0.05	2.8	90.0	5.6				
	129	0.05	1.8	29.0	14.0				
	130	0.05	0.4	12.0					✓
	131	0.05	0.9	14.0			✓		
	132	0.05	5.1	160.0	10.0				
	133	0.10	4.7	38.0	150.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-13. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	1.6	25.0	12.0				
	135	0.05	0.6	10.0				✓	
	136	0.05	3.0	96.0					✓
	137	0.05	0.8	24.0					✓
	138	0.05	0.9	15.0	7.5				
	139	0.10	0.9	7.0	28.0				
	140	0.05	9.1	230.0	18.0				
	141	0.05	0.8	13.0	6.5				
	142	0.05	2.7	43.0	21.0				
	143	0.05	3.1	50.0	25.0				
	144	0.05	1.6	50.0	3.1				
	145	0.05	1.3	40.0	2.5				
	146	0.05	0.6	9.0				✓	
	147	0.05	0.8	24.0			✓		
	148	0.05	2.8	90.0	5.6				
	149	0.05	3.9	62.0	31.0				
	150	0.05	0.6	10.0	5.0				
	151	0.05	8.6	276.0	17.0				
	152	0.05	0.8	26.0	1.6				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-13. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-12} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	2.0	32.0	16.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-14. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.30	5.8	18.0			✓		
	2	0.05	1.3	20.0	10.0				
	3	0.05	0.4	6.0			✓		
	4	0.05	2.2	35.0	17.0				
	5	0.05	0.6	10.0			✓		
	6	0.05	3.6	58.0	29.0				
	7	0.05	0.9	15.0			✓		
	8	0.05	1.6	50.0			✓		
	9	0.05	1.1	36.0			✓		
	10	0.05	0.8	13.0	6.5				
	11	0.05	1.8	28.0	14.0				
	12	0.05	1.3	20.0	10.0				
	13	0.05	1.3	40.0			✓		
	14	0.05	0.4	6.0	3.0				
	15	0.05	1.0	16.0	8.0				
	16	0.05	0.9	14.0	7.0				
	17	0.05	0.8	24.0	1.5				
	18	0.05	0.4	6.0			✓		
	19	0.05	0.8	13.0	6.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-14. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.7	22.0			✓		
	21	0.05	0.4	12.0			✓		
	22	0.05	0.9	15.0			✓		
	23	0.05	4.9	78.0	39.0				
	24	0.05	0.6	10.0			✓		
	25	0.05	1.6	25.0					✓
	26	0.05	1.4	23.0			✓		
	27	0.20	2.4	13.0			✓		
	28	0.05	0.4	14.0			✓		
	29	0.10	0.8	6.5	26.0				
	30	0.05	0.6	10.0			✓		
	31	0.05	0.8	12.0	6.0				
	32	0.05	0.9	30.0			✓		
	33	0.05	3.3	110.0	6.6				
	34	0.05	0.8	13.0			✓		
	35	0.05	3.8	120.0	7.5				
	36	0.10	0.8	6.5			✓		
	37	0.05	0.9	14.0					✓
2	38	0.10	0.6	4.5	18.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-14. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	1.3	20.0	10.0				
	40	0.05	0.3	5.0			✓		
	41	0.10	0.4	3.5				✓	
	42	0.10	0.4	3.5	14.0				
	43	0.05	0.3	10.0					✓
	44	0.05	0.5	8.0	4.0				
	45	0.05	0.5	8.0	4.0				
	46	0.05	1.3	20.0			✓		
	47	0.05	1.3	21.0	11.0				
	48	0.05	0.4	6.0					✓
	49	0.05	3.8	60.0	30.0				
	50	0.05	0.3	5.0	2.5				
	51	0.05	0.7	11.0	5.5				
	52	0.05	3.9	120.0	7.7				
	53	0.05	0.6	10.0			✓		
	54	0.05	2.6	41.0	20.0				
	55	0.05	0.9	30.0					✓
	56	0.05	1.2	19.0	9.5				
	57	0.05	1.5	24.0	12.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-14. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.4	14.0	0.9				
	59	0.05	1.1	36.0	2.2				
	60	0.05	0.4	6.0	3.0				
	61	0.10	0.7	5.5	22.0				
	62	0.05	0.4	7.0					✓
	63	0.05	0.9	30.0			✓		
	64	0.05	0.8	24.0	1.5				
	65	0.05	0.6	10.0			✓		
	66	0.05	0.6	9.0	4.5				
	67	0.05	0.4	7.0	3.5				
	68	0.05	1.2	38.0	2.4				
	69	0.05	1.3	21.0			✓		
	70	0.10	1.3	10.0	40.0				
	71	0.05	1.0	16.0	8.0				
	72	0.05	1.1	36.0	2.2				
	73	0.05	1.0	32.0	2.0				
	74	0.05	0.5	8.0			✓		
	75	0.05	0.4	12.0			✓		
	76	0.05	1.0	16.0	8.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-14. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.3	5.0	2.5				
	78	0.05	0.9	30.0	1.9				
	79	0.05	0.9	15.0	7.5				
	80	0.05	0.4	7.0			✓		
	81	0.10	0.6	4.5	18.0				
	82	0.05	0.6	20.0	1.2				
	83	0.05	1.2	38.0			✓		
	84	0.05	0.9	14.0	7.0				
	85	0.05	0.7	11.0	5.5				
	86	0.10	0.9	7.5	30.0				
	87	0.05	0.4	7.0	3.5				
	88	0.05	1.3	20.0	10.0				
	89	0.05	1.2	19.0			✓		
	90	0.05	1.4	44.0	2.7				
	91	0.10	3.1	25.0	100.0				
	92	0.05	8.5	140.0	70.0				
	93	0.05	0.5	8.0	4.0				
	94	0.05	1.3	21.0	11.0				
	95	0.05	1.3	20.0	10.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-14. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.4	7.0	3.5				
	97	0.05	1.1	18.0	9.0				
	98	0.05	1.0	16.0	8.0				
	99	0.05	1.0	16.0	8.0				
	100	0.10	1.1	19.0	36.0				
	101	0.05	0.7	26.0			✓		
	102	0.05	0.6	20.0	1.2				
	103	0.10	0.9	7.5	30.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-15. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.7	11.0			✓		
	2	0.05	0.4	7.0	3.5				
	3	0.05	0.6	10.0	5.0				
	4	0.05	1.1	18.0	9.0				
	5	0.05	13.0	416.0	26.0				
	6	0.05	0.4	7.0			✓		
	7	0.05	5.3	170.0	11.0				
	8	0.05	1.2	19.0	9.5				
	9	0.05	0.4	7.0			✓		
	10	0.05	2.3	36.0	18.0				
	11	0.05	0.3	5.0	2.5				
	12	0.05	2.5	80.0	5.0				
	13	0.05	0.8	12.0	6.0				
	14	0.05	0.5	8.0			✓		
	15	0.05	0.5	16.0				✓	
	16	0.05	0.4	14.0	0.9				
	17	0.05	0.4	7.0	3.5				
	18	0.05	1.1	36.0	2.2				
	19	0.05	1.0	32.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-15. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	7.9	252.0	15.7				
	21	0.05	0.3	5.0			✓		
	22	0.05	0.4	6.0	3.0				
	23	0.05	0.9	30.0	1.9				
	24	0.05	0.6	10.0	5.0				
	25	0.30	1.6	5.0			✓		
	26	0.10	0.8	6.5	26.0				
	27	0.05	1.6	50.0			✓		
	28	0.05	0.3	4.0	2.0				
	29	0.05	0.7	11.0			✓		
	30	0.05	8.5	272.0	17.0				
	31	0.10	0.9	7.0				✓	
	32	0.05	0.6	9.0	4.5				
	33	0.05	0.6	10.0			✓		
	34	0.05	0.3	10.0			✓		
	35	0.05	0.5	16.0	10.0				
	36	0.05	0.6	26.0			✓		
	37	0.05	2.4	76.0			✓		
	38	0.05	1.3	20.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-15. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.8	12.0	6.0				
	40	0.10	0.9	7.5				✓	
	41	0.05	2.6	82.0	5.1				
	42	0.05	0.9	15.0	7.5				
2	43	0.05	0.4	6.0			✓		
	44	0.05	0.3	4.0					✓
	45	0.05	1.1	18.0	9.0				
	46	0.05	1.3	40.0	2.5				
	47	0.05	0.3	10.0			✓		
	48	0.05	0.4	14.0			✓		
	49	0.05	0.3	5.0			✓		
	50	0.05	2.6	84.0	5.2				
	51	0.05	0.6	18.0	1.1				
	52	0.05	0.6	9.0	4.5				
	53	0.05	0.8	12.0			✓		
	54	0.05	1.3	20.0	10.0				
	55	0.05	0.8	13.0	6.5				
	56	0.05	0.3	5.0			✓		
	57	0.05	0.4	6.0	6.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-15. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.3	5.0			✓		
	59	0.05	1.2	19.0			✓		
	60	0.05	0.8	24.0	1.5				
	61	0.05	1.3	20.0	10.0				
	62	0.05	0.5	8.0			✓		
	63	0.05	0.3	5.0	2.5				
	64	0.05	1.2	19.0	9.5				
	65	0.05	0.7	11.0			✓		
	66	0.10	0.9	7.0	28.0				
	67	0.05	0.3	10.0			✓		
	68	0.05	1.0	32.0	2.0				
	69	0.05	1.4	46.0			✓		
	70	0.05	0.9	15.0				✓	
	71	0.05	0.3	5.0	2.5				
	72	0.05	0.8	24.0	1.5				
	73	0.05	0.3	5.0				✓	
	74	0.05	0.9	30.0	1.9				
	75	0.05	0.3	5.0	2.5				
	76	0.05	1.6	26.0	13.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-15. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.6	20.0	1.2				
	78	0.05	0.6	10.0	5.0				
	79	0.05	0.9	30.0	1.9				
	80	0.05	0.6	10.0			✓		
	81	0.05	0.7	11.0	5.5				
	82	0.05	1.9	60.0			✓		
	83	0.05	0.4	7.0			✓		
	84	0.05	1.6	50.0	3.1				
	85	0.05	0.9	14.0	7.0				
	86	0.05	0.4	7.0			✓		
	87	0.05	0.8	24.0	1.5				
	88	0.05	1.5	48.0	3.0				
	89	0.05	0.9	15.0	7.5				
	90	0.05	0.4	6.0			✓		
	91	0.05	2.4	38.0	19.0				
	92	0.05	0.8	24.0	1.5				
	93	0.05	0.9	14.0			✓		
	94	0.05	0.3	5.0			✓		
	95	0.05	1.2	19.0	9.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-15. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, ROCKVILLE CRUSHED STONE, INC. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	10.0	328.0	20.0				
	97	0.05	2.8	44.0	22.0				
	98	0.05	1.1	34.0			✓		
	99	0.05	2.0	64.0			✓		
	100	0.05	1.9	30.0	15.0				
	101	0.05	0.6	9.0	4.5				
	102	0.05	0.6	10.0	5.0				
	103	0.05	3.6	58.0	29.0				
	104	0.10	0.6	4.5		21.0			
	105	0.05	0.6	18.0			✓		
	106	0.05	0.9	30.0	1.9				
	107	0.05	1.6	25.0	12.0				
	108	0.05	2.8	90.0			✓		
	109	0.05	0.3	12.0			✓		
	110	0.05	0.9	14.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-16. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	1.1	17.0	8.5				
	2	0.05	0.3	4.0			✓		
	3	0.05	0.4	7.0	3.5				
	4	0.05	0.9	28.0			✓		
	5	0.05	0.4	7.0				✓	
	6	0.05	7.5	240.0			✓		
	7	0.05	0.3	5.0	2.5				
	8	0.05	0.7	11.0			✓		
	9	0.05	2.0	32.0				✓	
	10	0.05	0.6	10.0	5.0				
	11	0.05	0.8	12.0			✓		
	12	0.05	0.6	20.0			✓		
	13	0.05	0.8	12.0			✓		
	14	0.05	1.3	20.0	10.0				
2	15	0.05	0.5	8.0	4.0				
	16	0.05	0.5	8.0	4.0				
	17	0.25	1.6	6.5		240.0			
	18	0.05	0.4	7.0					✓
	19	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-16. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.20	0.8	4.0			✓		
	21	0.05	0.8	12.0	6.0				
	22	0.30	1.2	3.8		270.0			
	23	0.05	0.5	8.0			✓		
	24	0.05	0.4	7.0				✓	
	25	0.05	0.4	6.0			✓		
	26	0.05	0.4	7.0	3.5				
	27	0.10	0.5	4.0			✓		
	28	0.05	0.6	9.0				✓	
	29	0.05	1.9	30.0		17.0			
	30	0.05	0.9	15.0			✓		
	31	0.05	0.8	13.0			✓		
	32	0.05	0.6	9.0			✓		
	33	0.05	0.6	10.0	5.0				
	34	0.05	1.1	18.0	9.0				
	35	0.05	1.3	20.0	10.0				
	36	0.05	1.8	28.0	14.0				
	37	0.05	1.3	20.0			✓		
3	38	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-16. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.6	10.0			✓		
	40	0.05	0.4	7.0			✓		
	41	0.05	0.6	9.0	4.5				
	42	0.05	1.4	23.0				✓	
	43	0.05	0.7	11.0			✓		
	44	0.05	1.1	17.0			✓		
	45	0.10	1.3	10.0			✓		
	46	0.05	0.8	12.0			✓		
	47	0.05	0.5	8.0					✓
4	48	0.05	0.4	6.0			✓		
	49	0.30	1.1	3.6				✓	
	50	0.10	0.8	6.5			✓		
5	51	0.10	0.8	6.0					✓
	52	0.05	0.9	14.0			✓		
6	53	0.45	4.8	11.0				✓	
	54	0.05	0.4	6.0			✓		
	55	0.10	1.4	12.0					✓
7	56	0.25	1.3	5.0			✓		
	57	0.10	1.6	13.0	50.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-16. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.10	1.0	8.0			✓		
8	59	0.25	1.3	5.0			✓		
	60	0.05	0.6	10.0	5.0				
	61	0.20	1.0	5.3		83.0			
	62	0.10	0.6	5.0			✓		
	63	0.25	1.9	7.5				✓	
	64	0.20	0.9	4.3		72.0			
9	65	0.10	0.6	4.5					✓
	66	0.05	0.4	6.0					✓
	67	0.20	1.3	7.0			✓		
	68	0.10	0.6	5.0			✓		
	69	0.05	0.4	7.0			✓		
	70	0.05	0.5	8.0				✓	
10	71	0.10	0.9	7.5	30.0				
	72	0.10	1.2	9.5			✓		
	73	0.10	0.8	6.0			✓		
	74	0.05	1.8	29.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-17. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, CARDINAL STONE CO.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.6	9.0	4.5				
	2	0.10	1.3	10.0	40.0				
	3	0.25	1.7	6.8			✓		
2	4	0.10	0.4	3.0			✓		
	5	0.05	0.4	7.0				✓	
	6	0.05	0.7	11.0	5.5				
3	7	0.05	0.6	9.0			✓		
	8	0.05	0.6	9.0			✓		
	9	0.05	0.9	15.0			✓		
	10	0.20	1.9	10.0	140.0				
	11	0.05	0.4	7.0			✓		
	12	0.05	0.5	8.0	4.0				
	13	0.05	0.6	20.0			✓		
	14	0.05	1.3	21.0				✓	
	15	0.10	0.9	7.5				✓	
4	16	0.05	0.8	13.0	6.5				
5	17	0.05	0.4	6.0			✓		
	18	0.05	0.4	6.0	3.0				
	19	0.10	1.1	9.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-17. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
6	20	0.05	1.6	26.0			✓		
7	21	0.10	1.6	13.0				✓	
8	0								
9	22	0.30	1.4	4.6			✓		
	23	0.05	1.1	18.0			✓		
10	24	0.05	0.8	13.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-18. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.3	4.0			✓		
	2	0.05	2.7	43.0			✓		
	3	0.15	1.0	8.0	31.9				
	4	0.05	0.8	13.0			✓		
	5	0.05	0.8	12.0			✓		
	6	0.30	1.6	5.0				✓	
	7	0.05	0.6	10.0	5.0				
	8	0.05	0.6	10.0			✓		
	9	0.15	1.1	9.0			✓		
2	10	0.05	0.9	15.0	7.5				
	11	0.05	0.6	10.0				✓	
	12	0.05	0.4	7.0			✓		
	13	0.25	2.1	8.3			✓		
	14	0.05	1.1	18.0	9.0				
3	15	0.05	1.7	27.0	13.5				
	16	0.05	0.4	6.0	3.0				
	17	0.05	0.3	5.0	2.5				
	18	0.05	0.6	10.0	5.0				
	19	0.05	0.5	8.0	4.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-18. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
3	20	0.05	0.5	8.0	4.0				
	21	0.15	1.0	8.0			✓		
	22	0.05	0.6	10.0	5.0				
4	23	0.05	1.1	18.0			✓		
	24	0.05	1.3	20.0	10.0				
	25	0.03	1.0	32.0	2.0				
	26	0.06	0.8	12.0			✓		
5	27	0.06	0.7	11.0			✓		
	28	0.65	4.2	6.7			✓		
	29	0.15	5.5	44.0	175.5				
	30	0.05	0.6	9.0			✓		
	31	0.15	1.0	8.0			✓		
	32	0.05	3.3	52.0	25.9				
	33	0.05	1.4	22.0	11.0				
6	34	0.15	0.8	6.0	23.9				
	35	0.15	3.0	24.0			✓		
7	36	0.05	0.9	15.0	7.5				
	37	0.03	0.5	16.0					✓
	38	0.05	1.2	19.0	9.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-18. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
8	39	0.06	1.6	26.0	13.0				
	40	0.25	1.7	6.8				✓	
	41	0.05	0.4	6.0				✓	
	42	0.05	0.4	7.0			✓		
9	43	0.05	0.6	10.0			✓		
	44	0.05	14.7	235.0	117.2				
	45	0.05	4.4	70.0	34.9				
	46	0.05	0.8	13.0	6.5				
	47	0.05	0.9	15.0	7.5				
	48	0.05	0.3	5.0			✓		
	49	0.05	0.4	7.0			✓		
	50	0.05	0.3	5.0			✓		
	51	0.05	0.3	5.0					✓
10	52	0.05	1.5	24.0			✓		
	53	0.05	2.5	40.0	19.9				
	54	0.05	2.5	40.0	19.9				
	55	0.05	0.4	7.0			✓		
	56	0.05	0.8	13.0			✓		
	57	0.03	0.5	16.0					✓

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-18. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
10	58	0.05	1.0	16.0					✓
	59	0.05	0.6	10.0					✓
	60	0.05	0.3	5.0			✓		
	61	0.05	0.7	11.0	5.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-19. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.25	1.2	4.8			✓		
	2	0.05	1.8	29.0	15.0				
	3	0.05	0.6	9.0			✓		
	4	0.05	0.7	11.0	5.5				
	5	0.05	0.3	12.0			✓		
	6	0.05	0.3	12.0			✓		
	7	0.05	0.6	10.0	5.0				
	8	0.05	0.3	12.0	0.7				
	9	0.05	0.4	14.0	0.9				
	10	0.05	0.6	20.0	1.2				
	11	0.05	0.6	9.0	4.5				
2	12	0.05	1.6	25.0	13.0				
	13	0.20	1.3	6.7	90.0				
	14	0.20	1.0	5.3			✓		
	15	0.60	2.1	3.3			✓		
	16	0.05	0.4	7.0			✓		
3	17	0.10	0.9	7.5			✓		
	18	0.05	0.8	13.0	6.5				
	19	0.10	0.5	4.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-19. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	1.1	18.0				✓	
4	21	0.10	0.4	3.5	14.0				
	22	0.05	0.4	7.0			✓		
	23	0.05	0.3	6.0			✓		
	24	0.05	3.0	48.0	24.0				
	25	0.05	0.6	10.0	5.0				
	26	0.05	0.9	15.0	7.5				
6	27	0.05	1.1	18.0			✓		
	28	0.20	0.9	4.7					✓
	29	0.10	5.8	46.0			✓		
	30	0.05	0.4	6.0	3.0				
	31	0.05	1.0	32.0	2.0				
	32	0.05	0.4	7.0			✓		
	33	0.05	0.6	10.0			✓		
	34	0.05	0.7	11.0	5.5				
	35	0.05	0.6	9.0				✓	
	36	0.05	0.8	26.0			✓		
7	37	0.60	3.3	5.3					✓
	38	0.10	1.3	10.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-19. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.9	15.0	7.5				
	40	0.05	0.3	5.0				✓	
	41	0.05	0.5	8.0			✓		
	42	0.70	2.8	4.0			✓		
	43	0.05	0.4	6.0	3.0				
	44	0.05	0.3	10.0			✓		
	45	0.05	0.8	12.0	6.0				
	46	0.05	0.6	10.0			✓		
	47	0.05	0.5	8.0			✓		
8	48	0.05	0.7	11.0			✓		
	49	0.05	0.7	11.0			✓		
	50	0.05	0.6	10.0	5.0				
	51	0.05	0.9	15.0	7.5				
	52	0.05	0.4	6.0					✓
	53	0.05	1.0	32.0			✓		
	54	0.05	0.4	6.0			✓		
9	55	0.05	1.8	28.0			✓		
	56	0.05	0.9	15.0	7.5				
	57	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-19. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	1.4	22.0				✓	
	59	0.20	0.6	3.0	45.0				
10	60	0.05	0.5	8.0	4.0				
	61	0.05	1.9	30.0	15.0				
	62	0.05	0.4	14.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-20. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, CARDINAL STONE CO.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.4	12.0			✓		
	2	0.05	0.6	9.0	4.5				
	3	0.05	0.8	12.0	6.0				
	4	0.05	0.4	7.0	3.5				
	5	0.05	1.3	20.0	10.0				
	6	0.05	1.3	20.0			✓		
	7	0.05	0.5	8.0	4.0				
	8	0.05	1.7	27.0				✓	
	9	0.05	0.6	10.0				✓	
	10	0.25	2.5	10.0		370.0			
	11	0.05	0.4	6.0			✓		
	12	0.05	0.4	7.0	3.5				
	13	0.05	0.6	9.0	4.5				
	14	0.05	0.8	12.0	6.0				
	15	0.05	0.4	6.0	3.0				
	16	0.05	0.5	8.0	4.0				
	17	0.05	0.9	15.0	7.5				
	18	0.05	0.9	14.0	7.0				
	19	0.05	0.8	12.0	6.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-20. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.4	7.0	3.5				
	21	0.05	0.6	10.0	5.0				
	22	0.05	1.3	21.0			✓		
	23	0.05	0.6	10.0	5.0				
	24	0.05	0.8	12.0	6.0				
	25	0.05	0.4	6.0	3.0				
	26	0.05	0.6	10.0	5.0				
	27	0.10	0.8	6.5	26.0				
2	28	0.05	1.1	18.0	9.0				
	29	0.05	0.4	7.0	3.5				
	30	0.05	0.6	9.0	4.5				
	31	0.05	0.7	11.0			✓		
	32	0.05	2.7	43.0	21.0				
	33	0.05	0.3	8.0			✓		
	34	0.05	1.8	28.0	14.0				
	35	0.05	0.3	10.0			✓		
	36	0.05	2.7	43.0	21.0				
	37	0.05	0.6	9.0	4.5				
	38	0.05	0.9	14.0	7.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-20. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.3	5.0	2.5				
	40	0.05	0.4	7.0	3.5				
	41	0.05	0.5	8.0	4.0				
	42	0.10	1.2	10.0	38.0				
	43	0.05	1.6	26.0			✓		
	44	0.05	0.4	7.0			✓		
	45	0.05	0.7	11.0			✓		
	46	0.05	0.3	5.0	2.5				
	47	0.05	0.5	8.0	4.0				
	48	0.05	0.8	13.0	6.5				
	49	0.05	0.6	10.0	5.0				
	50	0.40	2.6	7.0			✓		
3	51	0.05	0.4	12.0			✓		
	52	0.05	0.6	10.0	5.0				
	53	0.05	0.8	26.0	1.6				
	54	0.05	0.4	7.0	3.5				
	55	0.05	0.5	8.0	4.0				
	56	0.05	0.8	12.0	6.0				
	57	0.05	1.4	22.0	11.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-20. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.8	12.0	6.0				
	59	0.05	0.4	7.0			✓		
	60	0.05	0.6	10.0	5.0				
	61	0.05	0.4	7.0			✓		
	62	0.05	0.6	10.0	5.0				
	63	0.05	2.1	34.0	17.0				
	64	0.05	0.7	11.0	5.5				
	65	0.05	0.6	10.0				✓	
	66	0.05	0.3	5.0			✓		
	67	0.05	0.4	7.0			✓		
	68	0.05	0.8	13.0	6.5				
	69	0.05	0.5	16.0			✓		
	70	0.05	0.4	7.0			✓		
	71	0.05	0.9	15.0	7.5				
4	72	0.05	1.2	19.0	9.5				
	73	0.05	1.1	17.0	8.5				
	74	0.05	0.4	6.0			✓		
	75	0.05	0.7	11.0	5.5				
	76	0.05	0.4	6.0	3.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-20. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.8	12.0	6.0				
	78	0.05	0.3	5.0				✓	
	79	0.05	0.6	10.0			✓		
	80	0.05	1.0	16.0			✓		
	81	0.05	1.1	18.0				✓	
	82	0.05	0.4	7.0	3.5				
	83	0.05	0.6	9.0			✓		
	84	0.05	1.3	20.0	10.0				
	85	0.05	0.8	13.0				✓	
	86	0.05	0.6	9.0	4.5				
5	87	0.10	2.5	20.0				✓	
	88	0.05	1.4	22.0	11.0				
	89	0.05	0.4	6.0			✓		
	90	0.05	0.9	15.0	7.5				
	91	0.05	0.4	6.0			✓		
	92	0.05	0.4	7.0			✓		
	93	0.05	0.5	8.0			✓		
6	94	0.05	0.3	5.0	2.5				
	95	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-20. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.30	1.9	6.0			✓		
7	97	0.05	1.1	17.0			✓		
	98	0.05	0.6	20.0	1.2				
	99	0.05	0.6	10.0	5.0				
	100	0.05	0.3	5.0	2.5				
	101	0.05	0.7	11.0	5.5				
	102	0.05	0.6	10.0	5.0				
	103	0.05	0.6	10.0	5.0				
	104	0.05	0.6	10.0	5.0				
	105	0.05	0.4	14.0	0.9				
	106	0.05	0.4	14.0			✓		
	107	0.05	0.5	8.0	4.0				
	108	0.05	0.4	14.0			✓		
	109	0.05	0.5	8.0	4.0				
	110	0.05	0.3	5.0			✓		
	111	0.05	0.5	8.0	4.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-21. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.6	10.0	5.0				
	2	0.05	0.3	5.0			✓		
	3	0.05	0.5	8.0				✓	
	4	0.05	2.6	41.0	20.0				
	5	0.05	0.3	5.0			✓		
	6	0.25	3.0	12.0				✓	
	7	0.20	1.6	8.3			✓		
	8	0.05	0.4	6.0			✓		
	9	0.05	1.3	20.0	10.0				
	10	0.05	0.6	10.0			✓		
	11	0.05	0.9	15.0	7.5				
	12	0.10	1.1	9.0			✓		
	13	0.05	0.4	14.0			✓		
	14	0.10	0.7	5.5			✓		
	15	0.05	1.1	18.0	9.0				
	16	0.05	0.4	7.0			✓		
	17	0.05	0.7	11.0			✓		
	18	0.05	0.4	6.0			✓		
	19	0.05	0.6	10.0	5.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-21. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.3	5.0	2.5				
	21	0.05	0.4	7.0				✓	
	22	0.05	0.6	20.0			✓		
	23	0.05	0.3	5.0			✓		
	24	0.05	0.4	6.0	3.0				
	25	0.05	0.4	7.0			✓		
	26	0.05	1.0	16.0	8.0				
	27	0.05	0.5	16.0			✓		
2	28	0.10	0.6	4.5			✓		
	29	0.05	0.8	12.0			✓		
	30	0.05	0.5	8.0			✓		
	31	0.05	0.4	6.0	3.0				
	32	0.05	0.6	10.0	5.0				
	33	0.10	0.9	7.5				✓	
	34	0.05	0.3	10.0			✓		
	35	0.05	0.5	8.0			✓		
	36	0.10	0.9	7.5				✓	
	37	0.05	0.6	10.0			✓		
	38	0.30	2.3	7.2				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-21. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
3	39	0.10	0.6	5.0			✓		
	40	0.05	0.4	7.0				✓	
	41	0.05	0.4	6.0					✓
	42	0.05	0.3	10.0				✓	
	43	0.10	0.4	3.5			✓		
	44	0.05	0.4	7.0			✓		
	45	0.10	0.8	6.0				✓	
	46	0.05	0.4	6.0				✓	
	47	0.10	2.2	18.0	70.0				
	48	0.10	1.8	14.0			✓		
	49	0.05	0.3	4.0				✓	
	50	0.10	1.4	13.0			✓		
	51	0.10	0.5	4.0			✓		
	52	0.05	0.5	8.0	4.0				
	53	0.10	0.6	4.5			✓		
	54	0.05	0.8	12.0	6.0				
	55	0.10	0.8	6.0			✓		
	56	0.20	1.2	6.3			✓		
	57	0.05	0.8	12.0	6.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-21. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.7	11.0			✓		
	59	0.10	0.9	7.5			✓		
	60	0.05	0.8	13.0			✓		
	61	0.10	0.9	7.0	28.0				
	62	0.05	0.6	9.0	4.5				
4	63	0.45	1.8	4.0				✓	
	64	0.05	0.5	8.0			✓		
	65	0.10	0.8	6.5			✓		
	66	0.10	0.6	5.0			✓		
	67	0.05	0.3	5.0			✓		
	68	0.05	0.6	10.0			✓		
	69	0.05	0.6	10.0			✓		
	70	0.05	0.6	10.0			✓		
	71	0.25	1.7	6.8				✓	
	72	0.05	0.3	5.0	2.5				
	73	0.50	2.5	5.0			✓		
	74	0.05	0.5	8.0			✓		
5	75	0.10	1.9	15.0				✓	
	76	0.30	1.9	6.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-21. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.6	9.0			✓		
	78	0.05	0.5	8.0			✓		
	79	0.05	0.7	11.0	5.5				
	80	0.05	1.9	30.0	15.0				
	81	0.05	0.5	8.0			✓		
	82	0.05	0.4	6.0			✓		
	83	0.05	0.3	10.0			✓		
	84	0.05	0.9	15.0				✓	
	85	0.05	0.3	5.0	2.5				
	86	0.60	2.2	3.5		2000.0			
	87	0.10	0.6	4.5	18.0				
	88	0.10	0.8	6.5			✓		
	89	0.05	0.4	6.0	3.0				
6	90	0.05	0.4	6.0			✓		
	91	0.05	0.3	5.0			✓		
	92	0.05	0.3	4.0			✓		
	93	0.05	0.4	6.0			✓		
	94	0.05	0.9	28.0			✓		
	95	0.05	0.8	13.0	6.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-21. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.7	11.0	-		✓		
	97	0.05	1.3	21.0	10.0				
	98	0.05	0.6	9.0			✓		
	99	0.05	0.4	6.0	3.0				
	100	0.05	0.3	5.0	2.5				
	101	0.05	0.5	8.0				✓	
	102	0.20	1.9	10.0			✓		
	103	0.05	0.4	6.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-22. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	2.3	37.0	18.0				
	2	0.05	0.6	9.0	4.5				
	3	0.05	0.6	10.0	5.0				
	4	0.05	2.5	57.0	9.8				
	5	0.05	4.4	70.0	35.0				
	6	0.10	3.6	48.0	41.0				
	7	0.05	1.6	37.0	6.4				
	8	0.05	1.1	17.0			✓		
	9	0.05	1.0	16.0	8.0				
	10	0.10	1.3	17.0	14.0				
	11	0.05	1.1	36.0	2.2				
	12	0.05	0.3	10.0	0.6				
	13	0.05	0.3	10.0	0.6				
	14	0.10	0.4	5.0	4.3				
	15	0.05	0.6	10.0	5.0				
	16	0.05	0.6	20.0	1.2				
	17	0.25	1.9	7.5	240.0				
	18	0.05	0.7	22.0	1.4				
	19	0.10	0.6	3.6			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-22. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	20	0.05	0.6	14.0	2.4				
	21	0.05	0.6	10.0	5.0				
	22	0.05	0.5	8.0		4.6			
	23	0.05	0.3	8.0	0.5				
	24	0.05	0.3	10.0	0.6				
	25	0.05	1.6	25.0	12.0				
	26	0.05	5.9	95.0	47.0				
	27	0.20	0.9	5.0			✓		
	28	0.05	1.1	34.0	2.1				
	29	0.05	4.4	100.0	17.0				
	30	0.05	0.6	20.0	1.2				
	31	0.05	3.0	96.0	6.0				
	32	0.05	0.6	20.0	1.2				
	33	0.05	1.4	46.0	2.9				
	34	0.05	2.1	33.0	16.0				
	35	0.05	0.6	14.0	2.4				
	36	0.05	2.9	92.0	5.7				
	37	0.10	0.6	4.5			✓		
	38	0.05	0.4	14.0	0.9				
	39	0.60	2.2	3.5				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-22. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	40	0.05	4.1	65.0	32.0				
2	41	0.05	3.4	55.0	27.0				
	42	0.10	0.6	6.7			✓		
	43	0.05	1.1	26.0	4.4				
	44	0.05	0.5	8.0	4.0				
	45	0.05	1.4	22.0	11.0				
	46	0.05	0.4	7.0			✓		
	47	0.40	1.6	3.8			✓		
	48	0.10	2.2	17.0		81.0			
	49	0.10	0.8	8.0	14.0				
	50	0.30	1.3	4.0				✓	
	51	0.10	1.7	18.0					✓
	52	2.50	9.4	3.8		140,000			
	53	0.05	6.3	330.0	4.5				
	54	1.25	6.3	5.0				✓	
	55	0.10	1.0	11.0		21.0			
	56	0.20	0.7	3.7		57.0			
	57	0.05	0.4	6.0	3.0				
	58	0.05	2.5	40.0					

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-22. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
2	59	0.10	0.9	5.0		78.0			
	60	0.05	1.1	17.0			✓		
	61	0.05	1.6	36.0	6.1				
	62	0.10	1.6	8.3					✓
	63	0.05	0.7	37.0	0.5				
	64	0.05	0.6	10.0	5.0				
	65	0.40	3.8	10.0					✓
	66	0.05	0.8	13.0			✓		
	67	0.05	3.5	110.0	7.0				
	68	0.05	2.8	90.0	5.6				
	69	0.05	1.1	24.0	4.2				
	70	0.05	0.9	15.0	7.5				
	71	0.05	1.0	32.0	2.0				
	72	0.05	0.6	10.0	5.0				
	73	0.10	1.4	7.6		120.0			
	74	0.05	0.9	20.0	3.4				
3	75	0.10	1.8	9.3		140.0			
	76	0.20	2.1	9.4		230.0			
	77	0.10	1.9	15.0		69.0			
	78	0.05	0.6	20.0	1.2				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-22. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
3	79	0.05	0.3	22.0			✓		
	80	0.20	1.3	5.7		140.0			
	81	0.05	0.9	14.0	7.0				
	82	0.05	0.9	50.0	0.7				
	83	0.10	0.4	4.7			✓		
	84	0.05	0.4	12.0	0.7				
	85	0.05	0.8	24.0	1.5				
	86	0.10	0.6	4.5		21.0			
	87	0.05	7.9	250.0	16.0				
	88	0.05	1.9	100.0	1.3				
	89	0.40	1.9	5.0		620.0			
	90	0.80	2.9	3.5			✓		
	91	0.05	1.2	38.0	2.4				
	92	0.05	1.1	17.0			✓		
	93	0.05	1.9	100.0	1.4				
	94	0.05	1.3	29.0	4.9				
	95	0.05	7.3	120.0	58.0				
	96	0.95	3.4	3.7			✓		
	97	0.05	1.0	53.0	0.7				
	98	0.05	0.9	30.0	1.9				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-22. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
3	99	0.05	0.8	40.0	0.5				
	100	0.05	0.5	16.0	1.0				
	101	0.05	1.9	60.0	3.7				
	102	0.05	0.6	20.0	1.2				
	103	0.10	2.5	27.0	45.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-23. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO.

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	1.6	25.0			✓		
	2	0.30	1.4	4.6				✓	
	3	0.05	0.3	5.0			✓		
	4	0.25	1.3	5.0				✓	
	5	0.20	1.3	6.7				✓	
	6	0.05	0.6	20.0			✓		
	7	0.05	0.9	15.0			✓		
	8	0.05	0.8	12.0			✓		
	9	0.05	0.5	8.0			✓		
	10	0.05	0.6	9.0			✓		
	11	0.05	0.3	5.0			✓		
	12	0.05	0.9	30.0			✓		
	13	0.05	0.3	5.0			✓		
	14	0.05	0.5	8.0				✓	
	15	0.05	0.4	6.0			✓		
	16	0.25	3.0	12.0					✓
2	17	0.25	1.5	6.0				✓	
	18	0.05	0.5	8.0			✓		
	19	0.55	2.9	5.1		2,100.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-23. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
3	20	0.05	0.6	10.0					✓
	21	0.30	1.3	4.0				✓	
	22	0.10	0.6	5.0			✓		
	23	0.05	0.5	8.0			✓		
	24	0.05	0.6	10.0			✓		
	25	0.05	0.7	11.0				✓	
	26	0.05	0.9	15.0	7.5				
	27	0.20	0.9	4.7				✓	
	28	0.05	0.7	11.0			✓		
	29	0.05	0.4	7.0			✓		
4	30	0.05	0.8	12.0			✓		
	31	0.05	0.6	9.0			✓		
	32	0.05	0.6	10.0			✓		
	33	0.10	0.6	4.5				✓	
	34	0.20	1.3	6.7				✓	
5	35	0.05	2.3	36.0			✓		
	36	0.05	0.6	10.0			✓		
	37	0.05	0.6	10.0				✓	
	38	0.05	0.3	5.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-23. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
5	39	0.05	0.4	6.0					✓
	40	0.25	1.8	7.0	220.0				
6	41	0.20	1.9	10.0			✓		
	42	0.10	1.6	13.0					✓
	43	0.10	0.6	5.0			✓		
	44	0.05	0.4	7.0			✓		
	45	0.10	0.6	5.0			✓		
	46	0.05	0.5	8.0			✓		
	47	0.40	1.9	5.0				✓	
	48	0.05	0.8	12.0			✓		
	49	0.05	0.6	9.0			✓		
	50	0.10	1.0	8.0	32.0				
7	51	0.05	0.7	11.0			✓		
	52	0.05	1.9	31.0			✓		
	53	0.05	0.3	5.0			✓		
	54	0.05	0.3	5.0			✓		
8	55	0.05	0.8	12.0			✓		
	56	0.05	0.6	9.0			✓		
	57	0.20	0.7	3.8			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-23. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, CARDINAL STONE CO. (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
9	58	0.10	0.4	5.5			✓		
	59	0.05	0.9	14.0			✓		
10	60	0.05	0.4	7.0			✓		
	61	0.05	0.5	8.0			✓		
	62	0.05	0.4	6.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.10	0.7	5.5	22.0				
	2	0.05	0.5	8.0	4.0				
	3	0.05	0.3	5.0	2.5				
	4	0.05	0.5	8.0			✓		
	5	0.05	0.6	9.0			✓		
	6	0.05	0.4	6.0			✓		
	7	0.05	0.5	8.0			✓		
	8	0.05	0.9	15.0	7.5				
	9	0.05	0.6	9.0	4.5				
	10	0.20	1.4	7.1			✓		
	11	0.05	0.8	13.0			✓		
	12	0.05	0.6	10.0			✓		
	13	0.05	0.6	10.0			✓		
	14	0.05	0.5	8.0			✓		
	15	0.05	0.4	6.0			✓		
	16	0.05	0.7	11.0			✓		
	17	0.05	2.6	41.0	20.0				
	18	0.05	0.7	11.0			✓		
	19	0.05	0.7	11.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	20	0.05	0.24	39.0	19.0				
	21	0.05	0.6	10.0	5.0				
	22	0.05	0.5	8.0					✓
	23	0.05	0.6	9.0	4.5				
	24	0.05	0.8	12.0			✓		
	25	0.05	0.6	10.0	5.0				
	26	0.05	0.5	8.0			✓		
	27	0.05	2.1	34.0	17.0				
	28	0.05	1.4	23.0	12.0				
	29	0.05	0.6	10.0					✓
	30	0.05	1.3	20.0	10.0				
	31	0.05	0.6	9.0			✓		
	32	0.05	0.8	12.0			✓		
	33	0.05	0.8	13.0	6.5				
	34	0.05	0.5	8.0	4.0				
	35	0.05	0.4	6.0	3.0				
	36	0.05	0.6	9.0			✓		
	37	0.05	0.8	12.0			✓		
	38	0.05	1.6	26.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	39	0.05	1.4	23.0	12.0				
	40	0.05	1.3	20.0	10.0				
	41	0.05	0.9	15.0	7.5				
	42	0.05	0.6	10.0	5.0				
	43	0.10	1.6	13.0	52.0				
	44	0.10	1.3	11.0	11.0				
	45	0.05	0.8	13.0	6.5				
	46	0.05	0.8	12.0			✓		
	47	0.05	0.9	14.0			✓		
	48	0.05	0.5	8.0	4.0				
	49	0.05	1.6	25.0	13.0				
	50	0.05	2.3	37.0			✓		
	51	0.05	0.6	10.0			✓		
	52	0.05	0.4	6.0			✓		
	53	0.05	1.3	21.0			✓		
	54	0.05	0.8	12.0			✓		
	55	0.05	0.7	11.0					✓
	56	0.05	1.7	54.0					✓
	57	0.05	0.6	10.0	5.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	58	0.05	0.7	11.0			✓		
	59	0.05	1.9	31.0	16.0				
	60	0.05	1.4	22.0	11.0				
	61	0.05	1.7	27.0	14.0				
	62	0.05	0.9	14.0			✓		
	63	0.10	1.8	14.0			✓		
	64	0.05	1.3	20.0			✓		
	65	0.05	0.5	8.0	4.0				
	66	0.05	1.1	18.0			✓		
	67	0.05	0.8	12.0			✓		
	68	0.05	2.6	84.0	5.2				
	69	0.05	0.4	6.0	3.0				
	70	0.05	0.6	10.0	5.0				
	71	0.05	0.3	5.0			✓		
	72	0.05	0.4	7.0	3.5				
	73	0.05	4.5	72.0	36.0				
	74	0.05	1.1	18.0	9.0				
	75	0.10	2.1	17.0			✓		
	76	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	77	0.05	0.6	10.0			✓		
	78	0.05	2.6	84.0			✓		
	79	0.05	0.4	7.0	3.5				
	80	0.05	0.5	8.0			✓		
	81	0.05	0.4	7.0			✓		
	82	0.05	1.2	19.0	9.5				
	83	0.05	0.8	12.0			✓		
	84	0.05	2.9	46.0	23.0				
	85	0.05	1.0	16.0	8.0				
	86	0.05	1.4	22.0			✓		
	87	0.05	0.6	10.0			✓		
	88	0.05	0.3	5.0			✓		
	89	0.05	2.4	38.0	19.0				
	90	0.05	0.8	12.0	6.0				
	91	0.05	0.4	7.0			✓		
	92	0.05	0.6	9.0	4.5				
	93	0.05	0.4	6.0			✓		
	94	0.05	1.3	21.0	11.0				
	95	0.05	2.4	38.0	19.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	96	0.05	0.8	13.0	6.5				
	97	0.05	0.6	9.0	4.5				
	98	0.05	0.6	9.0					✓
	99	0.05	0.6	10.0	5.0				
	100	0.05	0.8	12.0			✓		
	101	0.10	1.0	8.0	32.0				
	102	0.05	0.9	15.0	7.5				
	103	0.05	0.4	7.0					✓
	104	0.05	0.9	14.0			✓		
	105	0.05	1.0	16.0			✓		
	106	0.05	0.4	6.0			✓		
	107	0.05	0.9	15.0			✓		
	108	0.05	0.9	15.0	7.5				
	109	0.05	0.8	13.0			✓		
	110	0.05	3.6	58.0			✓		
	111	0.05	4.4	70.0	35.0				
	112	0.05	1.6	25.0	13.0				
	113	0.05	4.3	68.0	34.0				
	114	0.05	1.9	30.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	115	0.05	1.4	22.0			✓		
	116	0.05	0.6	10.0	5.0				
	117	0.05	0.6	10.0	5.0				
	118	0.05	0.4	6.0			✓		
	119	0.05	0.6	10.0	5.0				
	120	0.05	0.3	5.0	2.5				
	121	0.05	0.5	8.0					✓
	122	0.05	0.4	7.0			✓		
	123	0.05	0.7	11.0			✓		
	124	0.40	24.8	66.0	7100.0				
	125	0.05	1.4	44.0			✓		
	126	0.05	1.1	18.0			✓		
	127	0.05	1.8	28.0	14.0				
	128	0.05	1.6	26.0	13.0				
	129	0.05	0.9	15.0	7.5				
	130	0.05	1.4	22.0	11.0				
	131	0.05	0.9	15.0	7.5				
	132	0.10	0.8	6.0	24.0				
	133	0.05	0.4	7.0	3.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	134	0.05	0.4	7.0					✓
	135	0.05	0.5	8.0	4.0				
	136	0.05	0.6	10.0			✓		
	137	0.10	0.6	5.0	20.0				
	138	0.05	0.3	5.0			✓		
	139	0.05	0.3	5.0			✓		
	140	0.05	0.9	14.0			✓		
	141	0.05	0.6	10.0			✓		
	142	0.05	0.3	5.0			✓		
	143	0.05	0.5	8.0				✓	
	144	0.05	0.8	12.0					✓
	145	0.05	1.2	19.0			✓		
	146	0.05	0.8	13.0	6.5				
	147	0.05	0.3	5.0			✓		
	148	0.05	0.6	10.0			✓		
	149	0.05	1.9	31.0	16.0				
	150	0.05	0.4	6.0	3.0				
	151	0.05	0.4	6.0			✓		
	152	0.05	0.3	5.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	153	0.05	4.8	76.0	38.0				
	154	0.05	0.8	12.0	6.0				
	155	0.05	0.6	10.0					✓
	156	0.05	0.5	8.0			✓		
	157	0.05	0.8	13.0	6.5				
	158	0.05	1.0	16.0			✓		
	159	0.05	0.8	12.0	6.0				
	160	0.05	0.6	10.0	5.0				
	161	0.10	1.4	11.0	44.0				
	162	0.05	1.6	50.0			✓		
	163	0.05	0.6	10.0					✓
	164	0.05	0.8	13.0				✓	
	165	0.05	0.7	11.0			✓		
	166	0.05	0.9	15.0	7.5				
	167	0.05	1.0	16.0	8.0				
	168	0.05	0.9	14.0	7.0				
	169	0.05	0.9	15.0					✓
	170	0.60	4.1	6.5					✓
	171	0.05	0.9	15.0	7.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	172	0.05	0.5	8.0			✓		
	173	0.05	0.5	8.0	4.0				
	174	0.05	1.1	18.0	9.0				
	175	0.05	0.6	10.0					✓
	176	0.05	0.4	7.0	3.5				
	177	0.05	1.5	24.0	12.0				
	178	0.05	1.2	19.0	9.5				
	179	0.05	1.3	20.0	10.0				
	180	0.05	0.6	10.0					✓
	181	0.10	4.0	35.0	140.0				
	182	0.05	2.5	40.0	20.0				
	183	0.05	2.2	35.0					✓
	184	0.05	1.0	16.0	8.0				
	185	0.05	1.4	23.0	12.0				
	186	0.05	0.8	12.0	6.0				
	187	0.05	0.5	8.0	4.0				
	188	0.05	0.4	6.0					✓
	189	0.05	2.3	36.0			✓		
	190	0.05	2.6	41.0	21.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	191	0.05	0.6	9.0	4.5				
	192	0.05	0.5	8.0	4.0				
	193	0.05	0.6	10.0	5.0				
	194	0.05	0.4	6.0	3.0				
	195	0.05	0.4	7.0	3.5				
	196	0.05	1.3	21.0	11.0				
	197	0.05	0.8	13.0			✓		
	198	0.05	0.9	15.0	7.5				
	199	0.05	1.9	30.0				✓	
	200	0.05	0.5	8.0	4.0				
	201	0.05	0.3	5.0	2.5				
	202	0.05	0.5	8.0	4.0				
	203	0.05	1.2	19.0	9.5				
	204	0.05	0.4	6.0	3.0				
	205	0.05	1.3	20.0	10.0				
	206	0.05	0.3	5.0				✓	
	207	0.05	0.4	6.0	3.0				
	208	0.05	0.5	8.0	4.0				
	209	0.10	1.1	9.0	36.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	210	0.05	1.3	20.0	10.0				
	211	0.05	1.3	21.0	11.0				
	212	0.05	0.7	11.0	5.5				
	213	0.05	0.6	10.0	5.0				
	214	0.05	1.4	22.0			✓		
	215	0.05	0.3	5.0	2.5				
	216	0.10	0.8	6.0	24.0				
	217	0.05	0.4	7.0			✓		
	218	0.05	0.8	12.0	6.0				
	219	0.05	3.1	49.0					✓
	220	0.10	0.8	6.5	26.0				
	221	0.05	0.6	10.0			✓		
	222	0.05	0.6	10.0			✓		
	223	0.05	1.3	20.0					✓
	224	0.05	1.3	21.0					✓
	225	0.05	0.7	11.0	5.5				
	226	0.05	1.3	21.0	11.0				
	227	0.05	0.6	10.0	5.0				
	228	0.05	0.3	5.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	229	0.05	0.6	10.0	5.0				
	230	0.05	0.4	6.0			✓		
	231	0.05	0.8	12.0	6.0				
	232	0.05	0.5	8.0	4.0				
	233	0.05	2.4	39.0	20.0				
	234	0.05	1.3	20.0	10.0				
	235	0.05	1.6	26.0	13.0				
	236	0.05	0.3	5.0			✓		
	237	0.05	0.5	8.0			✓		
	238	0.05	0.3	5.0					✓
	239	0.05	1.3	20.0	10.0				
	240	0.05	0.3	5.0			✓		
	241	0.05	0.9	15.0			✓		
	242	0.05	0.6	10.0			✓		
	243	0.05	0.5	8.0			✓		
	244	0.05	1.4	44.0					✓
	245	0.05	0.6	9.0			✓		
	246	0.05	1.1	18.0	9.0				
	247	0.05	0.6	9.0					✓
	248	0.05	0.5	8.0	4.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	249	0.05	1.3	20.0	10.0				
	250	0.05	0.8	13.0	6.5				
	251	0.05	1.3	20.0			✓		
	252	0.05	0.6	10.0	5.0				
	253	0.05	0.5	8.0	4.0				
	254	0.20	1.6	8.3	8.3				
	255	0.05	1.4	22.0			✓		
	256	0.05	0.9	15.0	7.5				
	257	0.10	2.6	20.0	82.0				
	258	0.25	1.3	5.0	160.0				
	259	0.05	2.1	33.0			✓		
	260	0.05	2.2	35.0	18.0				
	261	0.05	0.6	10.0	5.0				
	262	0.05	1.9	30.0	15.0				
	263	0.05	0.9	15.0					✓
	264	0.05	1.4	22.0					✓
	265	0.05	0.6	9.0			✓		
	266	0.05	0.8	12.0			✓		
	267	0.05	0.7	11.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	268	0.05	1.9	30.0			✓		
	269	0.05	1.3	21.0	11.0				
	270	0.05	1.7	54.0			✓		
	271	0.05	0.9	15.0	7.5				
	272	0.05	4.1	65.0	33.0				
	273	0.05	0.9	15.0	7.5				
	274	0.05	0.8	12.0	6.0				
	275	0.05	0.3	5.0	2.5				
	276	0.05	0.9	14.0			✓		
	277	0.05	1.0	16.0	8.0				
	278	0.05	0.5	8.0			✓		
	279	0.05	0.6	9.0					✓
	280	0.05	1.4	22.0	11.0				
	281	0.05	0.8	13.0	6.5				
	282	0.05	0.4	6.0			✓		
	283	0.10	2.2	18.0	70.0				
	284	0.05	0.6	9.0			✓		
	285	0.05	0.6	11.0					✓
	286	0.05	0.6	9.0			✓		
	287	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	288	0.05	1.3	21.0			✓		
	289	0.05	0.9	14.0			✓		
	290	0.05	0.5	8.0			✓		
	291	0.05	0.4	7.0					✓
	292	0.05	1.6	25.0			✓		
	293	0.05	0.6	10.0			✓		
	294	0.05	0.7	11.0			✓		
	295	0.05	1.4	22.0	11.0				
	296	0.05	0.5	8.0	4.0				
	297	0.05	0.9	15.0			✓		
	298	0.05	0.5	8.0					✓
	299	0.05	1.2	19.0			✓		
	300	0.05	0.3	5.0			✓		
	301	0.05	1.0	16.0	8.0				
	302	0.05	0.5	8.0	4.0				
	303	0.05	1.2	19.0	9.5				
	304	0.05	1.3	20.0	10.0				
	305	0.05	0.6	10.0			✓		
	306	0.05	0.9	15.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	307	0.05	0.9	15.0	7.5				
	308	0.05	0.6	10.0	5.0				
	309	0.05	0.8	13.0	6.5				
	310	0.05	0.9	14.0			✓		
	311	0.05	0.6	10.0	5.0				
	312	0.05	1.0	16.0			✓		
	313	0.05	0.5	8.0			✓		
	314	0.05	0.8	13.0			✓		
	315	0.05	0.6	9.0			✓		
	316	0.05	0.7	11.0	5.5				
	317	0.05	0.6	9.0	4.5				
	318	0.05	0.9	15.0			✓		
	319	0.05	0.8	12.0			✓		
	320	0.05	1.1	18.0	9.0				
	321	0.05	0.3	5.0			✓		
	322	0.05	0.6	9.0					✓
	323	0.05	0.6	10.0	5.0				
	324	0.10	0.8	6.0	24.0				
	325	0.05	1.1	17.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-24. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	326	0.05	0.6	9.0			✓		
	327	0.05	0.8	13.0					✓
	328	0.05	0.8	12.0			✓		
	329	0.05	0.6	9.0	4.5				
	330	0.05	0.6	10.0	5.0				
	331	0.05	0.8	13.0	6.5				
	332	0.05	0.8	12.0			✓		
	333	0.05	0.9	14.0	7.0				
	334	0.05	1.1	34.0					✓
	335	0.05	1.0	16.0					✓
	336	0.05	4.1	65.0	33.0				
	337	0.05	0.9	15.0			✓		
	338	0.05	0.7	11.0			✓		
	339	0.05	0.6	10.0					✓
	340	0.05	0.9	15.0	7.5				
	341	0.05	0.4	7.0					✓
	342	0.05	0.7	11.0					✓
	343	0.05	2.0	32.0	16.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)					
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern	
1	1	0.05	0.4	6.0					✓	
	2	0.05	0.6	9.0			✓			
	3	0.05	0.6	9.0			✓			
	4	0.05	0.6	10.0			✓			
	5	0.05	0.8	12.0			✓			
	6	0.05	0.8	13.0			✓			
	7	0.05	0.5	8.0			✓			one cluster
	8	0.05	0.6	10.0			✓			
	9	0.05	0.6	10.0			✓			
	10	0.05	1.0	16.0			✓			
	11	0.05	0.3	5.0			✓			
	12	0.05	0.8	13.0			✓			
	13	0.05	0.3	5.0			✓			
	14	0.05	1.3	20.0			✓			
	15	0.05	0.6	10.0			✓			
	16	0.05	1.9	31.0	16.0					
	17	0.05	0.3	5.0			✓			
	18	0.05	0.5	8.0			✓			
	19	0.05	0.4	6.0			✓			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	20	0.05	0.6	10.0			✓		
	21	0.05	1.1	18.0	9.0				
	22	0.05	0.5	8.0			✓		
	23	0.05	1.0	16.0			✓		
	24	0.05	0.6	10.0			✓		
	25	0.05	0.4	6.0			✓		
	26	0.05	0.6	9.0			✓		
	27	0.05	0.5	8.0	4.0				
	28	0.05	1.3	20.0			✓		
	29	0.05	2.3	36.0	18.0				
	30	0.05	0.8	12.0			✓		
	31	0.05	0.6	10.0			✓		
	32	0.05	0.3	5.0			✓		
	33	0.05	1.8	29.0	14.0				
	34	0.05	0.6	10.0			✓		
	35	0.05	0.6	10.0			✓		
	36	0.05	0.3	5.0			✓		
	37	0.10	0.9	7.5			✓		
	38	0.05	0.3	5.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	39	0.05	0.6	9.0			✓		
	40	0.05	0.5	8.0			✓		
	41	0.05	0.4	6.0	3.0				
	42	0.10	1.1	9.0			✓		
	43	0.05	0.7	11.0			✓		
	44	0.10	1.4	12.0	46.0				
	45	0.10	0.7	5.5	22.0				
	46	0.05	2.3	36.0	18.0				
	47	0.05	0.9	14.0			✓		
	48	0.05	0.9	15.0	7.5				
	49	0.10	0.5	4.0	16.0				
	50	0.05	1.0	16.0			✓		
	51	0.05	1.8	28.0			✓		
	52	0.05	0.5	8.0			✓		
	53	0.05	1.1	18.0					✓
	54	0.05	0.4	6.0			✓		
	55	0.05	0.6	10.0			✓		
	56	0.05	1.6	26.0			✓		
	57	0.05	0.7	11.0	5.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	58	0.05	0.4	7.0			✓		
	59	0.05	0.4	7.0			✓		
	60	0.05	0.4	7.0			✓		
	61	0.05	0.6	10.0			✓		
	62	0.25	1.3	5.0			✓		
	63	0.05	0.6	9.0			✓		
	64	0.10	0.8	6.0	24.0				
	65	0.05	0.3	5.0			✓		
	66	0.05	2.2	35.0	17.0				
	67	0.05	0.8	13.0	6.5				
	68	0.05	2.3	36.0	18.0				
	69	0.05	2.5	40.0	20.0				
	70	0.05	0.4	6.0	3.0				
	71	0.05	0.4	7.0			✓		
	72	0.05	0.8	12.0			✓		
	73	0.05	1.3	20.0			✓		
	74	0.05	0.9	15.0			✓		
	75	0.05	0.3	4.0			✓		
	76	0.05	0.3	5.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	77	0.05	0.6	9.0			✓		
	78	0.05	0.5	8.0			✓		
	79	0.05	3.4	55.0	27.0				
	80	0.05	0.7	11.0			✓		
	81	0.05	0.3	5.0			✓		
	82	0.05	0.9	15.0			✓		
	83	0.05	0.5	8.0			✓		
	84	0.05	0.3	4.0			✓		
	85	0.05	0.6	10.0	5.0				
	86	0.05	1.1	18.0	9.0				
	87	0.05	0.8	13.0	6.5				
	88	0.05	0.6	9.0			✓		
	89	0.05	0.6	10.0			✓		
	90	0.05	0.9	15.0	7.5				
	91	0.05	0.3	5.0	2.5				
	92	0.10	0.8	6.5	26.0				
	93	0.10	0.4	3.5	14.0				
	94	0.05	0.9	15.0	7.5				
	95	0.05	1.1	18.0	9.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	96	0.05	1.0	16.0			✓		
	97	0.05	0.9	14.0			✓		
	98	0.05	0.5	8.0			✓		
	99	0.05	0.4	6.0			✓		
	100	0.10	0.8	6.5			✓		
	101	0.05	0.9	15.0			✓		
	102	0.05	2.6	42.0	21.0				
	103	0.20	1.4	7.1			✓		
	104	0.05	0.8	13.0	6.5				
	105	0.05	0.5	8.0			✓		
	106	0.05	0.6	10.0			✓		
	107	0.05	1.1	17.0					✓
	108	0.05	0.6	10.0					✓
	109	0.05	3.4	55.0	27.0				
	110	0.05	3.3	52.0	26.0				
	111	0.05	0.5	8.0	4.0				
	112	0.10	0.6	5.0	20.0				
	113	0.05	0.5	8.0			✓		
	114	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	115	0.05	2.0	32.0			✓		
	116	0.05	0.8	12.0	6.0				
	117	0.10	3.8	30.0	120.0				
	118	0.05	0.6	10.0			✓		
	119	0.10	0.8	6.0			✓		
	120	0.05	0.9	15.0			✓		
	121	0.05	0.8	12.0	6.0				
	122	0.05	1.0	16.0	8.0				
	123	0.10	1.3	11.0			✓		
	124	0.05	1.1	18.0			✓		
	125	0.05	0.9	15.0			✓		
	126	0.05	0.3	4.0			✓		
	127	0.05	0.5	8.0			✓		
	128	0.10	0.5	4.0			✓		
	129	0.05	0.7	11.0	5.5				
	130	0.05	0.9	15.0	7.5				
	131	0.05	0.6	10.0				✓	
	132	0.05	0.4	7.0			✓		
	133	0.05	3.8	60.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	134	0.05	0.6	10.0	5.0				
	135	0.05	0.6	10.0	5.0				
	136	0.05	0.6	9.0			✓		
	137	0.05	0.8	12.0	6.0				
	138	0.05	0.6	10.0			✓		
	139	0.05	0.8	13.0			✓		
	140	0.05	0.4	6.0			✓		
	141	0.05	0.6	10.0	5.0				
	142	0.05	0.9	15.0	7.5				
	143	0.20	0.9	5.0			✓		
	144	0.05	0.7	11.0	5.5				
	145	0.05	0.4	7.0			✓		
	146	0.05	0.6	10.0	5.0				
	147	0.05	0.6	10.0	5.0				
	148	0.10	1.8	14.0	56.0				
	149	0.10	0.8	6.0	24.0				
	150	0.05	0.8	13.0	6.5				
	151	0.05	0.9	15.0	7.5				
	152	0.10	1.3	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	153	0.05	0.9	15.0	7.5				
	154	0.05	3.1	50.0	25.0				
	155	0.05	1.4	22.0			✓		
	156	0.05	0.5	8.0			✓		
	157	0.05	0.6	10.0			✓		
	158	0.05	0.6	10.0			✓		
	159	0.05	0.9	15.0			✓		
	160	0.05	0.7	11.0			✓		
	161	0.20	3.8	20.0			✓		
	162	0.05	1.9	31.0			✓		
	163	1.25	3.8	3.0			✓--(cluster of 30 fibers)		
	164	0.05	1.6	25.0					✓
	165	0.10	0.9	7.5					✓
	166	0.25	3.1	10.0			✓		
	167	0.10	1.4	11.0	44.0				
	168	0.05	0.5	8.0	4.0				
	169	0.05	1.1	18.0	9.0				
	170	0.05	1.3	20.0			✓		
	171	0.05	0.7	11.0	5.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	172	0.05	0.6	9.0			✓		
	173	0.10	2.8	22.0	90.0				
	174	0.05	0.9	15.0	7.5				
	175	0.10	0.6	5.0	20.0				
	176	0.10	0.8	6.0	24.0				
	177	0.05	0.9	15.0	7.5				
	178	0.05	0.9	15.0			✓		
	179	0.05	0.7	11.0			✓		
	180	0.05	1.1	18.0	9.0				
	181	0.05	0.5	8.0	4.0				
	182	0.05	1.6	25.0	12.0				
	183	0.05	0.8	12.0	6.0				
	184	0.05	0.6	9.0	4.5				
	185	0.05	0.9	15.0			✓		
	186	0.05	0.6	10.0			✓		
	187	0.05	0.5	8.0			✓		
	188	0.05	1.9	30.0	15.0				
	189	0.05	3.1	49.0	24.0				
	190	0.05	0.7	11.0	5.5				
	191	0.05	4.7	75.0	37.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-25. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	192	0.05	3.8	60.0	30.0				
	193	0.05	0.5	8.0	4.0				
	194	0.05	2.1	33.0	16.0				
	195	0.05	0.5	8.0	4.0				
	196	0.05	0.9	14.0			✓		
	197	0.05	0.7	11.0	5.5				
	198	0.05	1.8	29.0	14.0				
	199	0.05	0.5	8.0			✓		
	200	0.05	0.6	10.0	5.0				
	201	0.10	2.6	21.0	84.0				
	202	0.05	1.6	26.0			✓		
	203	0.05	0.8	13.0			✓		
	204	0.05	3.8	60.0	30.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-26. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.4	6.0			✓		
	2	0.05	0.4	7.0			✓		
	3	0.05	0.7	11.0	5.5				
	4	0.05	0.6	10.0	5.0				
	5	0.10	0.5	4.0	16.0				
	6	0.05	1.7	27.0	14.0				
	7	0.05	0.6	10.0	5.0				
	8	0.05	0.9	15.0	7.5				
	9	0.20	0.6	3.3			✓		
	10	0.05	0.3	5.0			✓		
	11	0.05	3.4	55.0			✓		
	12	0.05	0.3	5.0			✓		
	13	0.05	1.4	23.0			✓		
	14	0.10	1.1	9.0			✓		
	15	0.05	0.4	7.0			✓		
	16	0.05	0.8	12.0	6.0				
	17	0.05	1.1	19.0				✓	
	18	0.10	1.6	12.0	50.0				
	19	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-26. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	20	0.05	0.3	5.0			✓		
	21	0.05	0.7	11.0	5.5				
	22	0.10	1.4	12.0			✓		
	23	0.05	0.5	8.0	4.0				
	24	0.05	0.4	7.0			✓		
	25	0.05	0.4	7.0			✓		
	26	0.05	0.8	13.0			✓		
	27	0.05	2.0	32.0			✓		
	28	0.05	1.6	25.0	12.0				
	29	0.05	0.9	15.0	7.5				
	30	0.10	1.4	11.0	44.0				
	31	0.05	1.3	20.0	10.0				
	32	0.05	1.1	17.0			✓		
	33	0.05	0.8	12.0	6.0				
	34	0.05	0.9	14.0	7.0				
	35	0.05	3.6	26.0	120.0				
	36	0.05	1.6	25.0	12.0				
	37	0.05	1.6	25.0	12.0				
	38	0.10	0.4	3.5	14.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-26. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	39	0.05	0.7	11.0			✓		
	40	0.05	2.5	75.0	37.0				
	41	0.05	1.3	21.0	10.0				
	42	0.05	0.8	12.0			✓		
	43	0.05	0.3	5.0					✓
	44	0.05	2.1	66.0	4.1				
	45	0.05	0.4	7.0	3.5				
	46	0.05	0.7	11.0	5.5				
	47	0.05	1.3	20.0			✓		
	48	0.05	0.3	5.0				✓	
	49	0.05	1.0	16.0	8.0				
	50	0.05	2.0	32.0			✓		
	51	0.05	2.5	40.0					✓
	52	0.05	0.6	10.0	5.0				
	53	0.05	0.4	6.0			✓		
	54	0.10	1.6	13.0	52.0				
	55	0.05	0.9	15.0			✓		
	56	0.05	0.8	12.0			✓		
	57	0.05	0.7	11.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-26. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	58	0.05	0.5	8.0	4.0				
	59	0.05	0.7	11.0			✓		
	60	0.05	1.1	18.0	9.0				
	61	0.05	0.6	10.0	5.0				
	62	0.05	0.9	15.0	7.5				
	63	0.05	1.9	31.0	16.0				
	64	0.05	0.8	12.0			✓		
	65	0.05	0.9	15.0			✓		
	66	0.05	0.4	7.0			✓		
	67	0.05	0.7	11.0	5.5				
	68	0.05	0.8	12.0	6.0				
	69	0.05	1.4	23.0	12.0				
	70	0.05	0.6	10.0	5.0				
	71	0.05	0.7	11.0					✓
	72	0.05	0.3	5.0				✓	
	73	0.05	1.4	22.0					✓
	74	0.05	0.5	8.0			✓		
	75	0.05	0.6	10.0			✓		
	76	0.05	1.0	16.0					✓

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-26. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	77	0.05	0.6	10.0					✓
	78	0.05	0.8	13.0	6.5				
	79	0.05	0.9	15.0	7.5				
	80	0.05	0.5	8.0					✓
	81	0.05	0.8	12.0			✓		
	82	0.05	2.7	43.0	21.0				
	83	0.05	0.6	10.0	5.0				
	84	0.05	2.4	38.0	19.0				
	85	0.05	0.4	6.0			✓		
	86	0.05	1.6	25.0					✓
	87	0.05	1.1	18.0					✓
	88	0.05	1.2	19.0	9.5				
	89	0.05	0.8	12.0	6.0				
	90	0.05	1.5	24.0			✓		
	91	0.05	1.8	28.0	14.0				
	92	0.05	0.4	6.0	3.0				
	93	0.05	0.8	13.0	6.5				
	94	0.05	1.0	16.0	8.0				
	95	0.05	1.1	18.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-26. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	96	0.05	3.3	52.0	26.0				
	97	0.05	0.3	5.0					✓
	98	0.05	0.5	8.0			✓		
	99	0.05	0.9	15.0			✓		
	100	0.05	0.4	6.0	3.0				
	101	0.05	0.5	8.0					✓
	102	0.05	1.6	25.0	12.0				
	103	0.05	0.9	15.0	7.5				
	104	0.05	0.4	6.0			✓		
	105	0.05	0.3	5.0			✓		
	106	0.05	2.1	33.0	16.0				
	107	0.05	1.3	40.0	2.5				
	108	0.10	1.3	10.0	40.0				
	109	0.05	0.6	10.0	5.0				
	110	0.05	0.6	10.0	5.0				
	111	0.05	1.1	18.0	9.0				
	112	0.05	1.6	26.0			✓		
	113	0.05	1.3	21.0	10.0				
	114	0.05	0.8	13.0			✓		
	115	0.05	0.5	8.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-26. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	116	0.05	0.5	8.0			✓		
	117	0.05	0.4	6.0	3.0				
	118	0.05	1.1	18.0			✓		
	119	0.05	0.9	14.0	7.0				
	120	0.05	0.8	12.0	6.0				
	121	0.05	0.8	12.0			✓		
	122	0.05	0.7	11.0	5.5				
	123	0.05	0.4	6.0	3.0				
	124	0.05	0.3	5.0			✓		✓
	125	0.05	4.1	66.0					
	126	0.05	3.2	51.0			✓		
	127	0.05	1.3	20.0			✓		
	128	0.05	3.1	50.0	25.0				
	129	0.10	8.5	66.0	270.0				
	130	0.05	3.0	48.0	24.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-27. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.2	3.0		1.7			
	2	0.05	0.2	3.0		1.7			
	3	0.05	0.7	11.0		6.3			
	4	0.05	1.6	50.0	3.1				
	5	0.05	0.6	10.0			✓		
	6	0.05	0.3	10.0	0.6				
	7	0.05	0.4	7.0	3.5				
	8	0.05	0.6	10.0					✓
	9	0.05	0.4	12.0	0.7				
	10	0.05	0.7	11.0					✓
	11	0.05	0.9	30.0	1.9				
	12	0.05	0.4	6.0	3.0				
	13	0.05	0.5	8.0	4.0				
	14	0.05	1.2	38.0	2.4				
	15	0.05	0.4	6.0			✓		
	16	0.05	0.4	12.0					✓
	17	0.05	0.4	14.0					✓
	18	0.05	0.8	24.0	1.5				
	19	0.05	0.4	14.0	0.9				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-27. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	1.0	32.0	2.0				
	21	0.05	1.4	23.0	12.0				
	22	0.05	2.0	32.0	16.0				
	23	0.05	0.3	5.0			✓		
	24	0.05	2.8	45.0					✓
	25	0.05	0.6	18.0	1.1		✓		
	26	0.10	1.1	11.0	19.0				
	27	0.05	0.6	9.0			✓		
	28	0.05	0.9	15.0	7.5				
	29	0.05	1.0	16.0	8.0				
	30	0.05	0.3	4.0	2.0				
	31	0.05	0.3	10.0	0.6				
	32	0.05	0.4	7.0					✓
	33	0.05	0.5	16.0					✓
	34	0.05	1.3	40.0	2.5				
	35	0.05	0.8	24.0	1.5				
	36	0.05	0.6	20.0	1.2				
	37	0.10	0.6	8.0		37.0			
	38	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-27. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.3	5.0	2.5				
	40	0.05	0.6	9.0	4.5				
	41	0.05	0.4	7.0	3.5				
	42	0.05	0.6	10.0	5.0				
	43	0.05	0.9	14.0	7.0				
	44	0.05	0.3	5.0			✓		
	45	0.05	0.9	15.0	7.5				
	46	0.05	0.6	20.0	1.2				
	47	0.05	2.2	35.0	17.0				
	48	0.05	0.8	12.0	6.0				
	49	0.10	0.6	4.5		21.0			
	50	0.05	0.5	8.0			✓		
	51	0.05	2.3	36.0		21.0			
	52	0.05	0.6	10.0		5.8			
	53	0.05	1.2	38.0	2.4				
	54	0.05	0.8	13.0		7.5			
	55	0.10	0.9	7.5		34.0			
	56	0.05	1.8	56.0	3.5				
	57	0.05	0.6	18.0	1.1				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-27. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.4	7.0	3.5				
	59	0.05	0.3	10.0	0.6				
	60	0.05	0.8	12.0	6.0				
	61	0.05	0.4	6.0	3.0				
	62	0.05	0.7	11.0	5.5				
	63	0.05	0.4	7.0			✓		
	64	0.05	1.4	23.0	12.0				
	65	0.05	0.8	24.0	1.5				
	66	0.05	3.8	120.0	7.5				
	67	0.05	0.6	10.0	5.0				
	68	0.05	1.5	24.0	12.0				
	69	0.10	1.9	15.0		69.0			
	70	0.10	1.1	12.0	20.0				
	71	0.05	2.7	86.0	5.4				
	72	0.05	3.1	100.0	6.2				
	73	0.05	1.9	30.0	15.0				
	74	0.10	1.6	17.0	28.0				
	75	0.10	1.4	15.0	25.0				
	76	0.05	0.7	11.0	5.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-27. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	1.1	18.0	9.0				
	78	0.10	1.0	11.0	18.0				
	79	0.05	0.7	11.0	5.5				
	80	0.10	0.7	5.5		25.0			
	81	0.05	1.8	56.0	3.5				
	82	0.05	1.4	44.0	2.7				
	83	0.05	0.9	30.0	1.9				
	84	0.05	0.9	30.0	1.9				
	85	0.05	1.3	40.0	2.5				
	86	0.05	1.5	48.0	3.0				
	87	0.05	1.3	20.0	10.0				
	88	0.05	1.1	17.0	8.5				
	89	0.05	1.1	17.0	8.5				
	90	0.05	0.4	14.0	0.9				
	91	0.05	1.0	32.0	2.0				
	92	0.05	0.8	12.0	6.0				
	93	0.05	1.9	60.0	3.7				
	94	0.25	1.3	5.0		180.0			
	95	0.05	7.8	130.0	62.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-27. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.9	14.0	7.0				
	97	0.05	0.6	10.0	5.0				
	98	0.05	1.6	25.0	13.0				
	99	0.05	2.1	66.0	4.1				
	100	0.05	2.5	80.0	5.0				
	101	0.05	1.3	20.0	10.0				
	102	0.05	1.4	44.0	2.7				
	103	0.05	1.9	60.0	3.7				
	104	0.05	1.8	28.0	14.0				
	105	0.05	3.1	49.0	24.0				
	106	0.05	1.4	23.0	12.0				
	107	0.05	0.6	20.0	1.2				
	108	0.10	2.5	27.0	45.0				
	109	0.05	1.6	26.0	13.0				
	110	0.05	0.9	30.0	1.9				
	111	0.05	0.4	7.0	3.5				
	112	0.05	0.4	6.0			✓		
	113	0.05	0.7	22.0	1.4				
	114	0.05	3.8	120.0	7.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-27. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.6	18.0	1.1				
	116	0.05	1.6	52.0	3.2				
	117	0.05	1.8	28.0	14.0				
	118	0.05	3.1	50.0	25.0				
	119	0.05	1.3	21.0	11.0				
	120	0.05	0.3	5.0			✓		
	121	0.15	0.8	4.8					✓
	122	0.10	2.3	24.0	40.0				
	123	0.10	1.3	10.0			✓		
	124	0.05	0.4	7.0		4.0			
	125	0.05	4.2	134.0	8.4				
	126	0.05	0.8	24.0	1.5				
	127	0.05	0.3	4.0	2.0				
	128	0.05	0.9	30.0	1.9				
	129	0.05	1.9	30.0			✓		
	130	0.05	0.6	10.0	5.0				
	131	0.05	1.8	56.0	3.5				
	132	0.05	0.7	22.0	1.4				
	133	0.05	0.4	14.0	0.9				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-27. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.9	15.0	7.5				
	135	0.05	3.0	38.0	24.0				
	136	0.05	1.3	18.0	15.0				
	137	0.40	2.4	6.3					✓
	138	0.05	0.8	11.0	9.3				
	139	0.05	1.8	29.0	15.0				
	140	0.05	1.3	20.0	10.0				
	141	0.05	2.1	66.0	4.1				
	142	0.05	0.6	10.0	5.0				
	143	0.05	0.9	15.0		8.6			
	144	0.05	0.6	18.0					✓
	145	0.05	2.3	74.0	4.6				
	146	0.05	0.4	14.0	0.9				
	147	0.05	1.7	54.0	3.4				
	148	0.05	1.9	60.0	3.7				
	149	0.05	1.3	42.0	2.6				
	150	0.05	0.9	28.0	1.7				
	151	0.05	3.6	57.0	28.0				
	152	0.05	1.7	54.0	3.4				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-27. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	10.0	230.0	39.0				
	154	0.05	0.5	16.0	1.0				
	155	0.05	1.1	14.0		14.0			
	156	0.05	0.4	7.0			✓		
	157	0.05	0.5	16.0	1.0				
	158	0.05	0.8	13.0	6.5				
	159	0.05	1.2	19.0					✓
	160	0.10	0.8	8.7				✓	
	161	0.10	1.3	13.0		26.0			
	162	0.05	1.4	22.0	11.0				
	163	0.05	0.5	16.0	1.0				
	164	0.05	0.4	12.0	0.7				
	165	0.05	1.0	16.0		9.2			
	166	0.05	3.8	120.0	7.5				
	167	0.05	2.4	76.0	4.7				
	168	0.05	1.3	40.0	2.5				
	169	0.05	0.8	24.0	1.5				
	170	0.05	0.5	16.0	1.0				
	171	0.05	2.1	66.0	4.1				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-27. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	172	0.05	0.8	26.0	1.6				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-28. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.5	8.0			✓		
	2	0.05	1.3	20.0			✓		
	3	0.05	0.3	5.0	2.5				
	4	0.05	0.6	9.0	4.5				
	5	0.05	0.6	10.0	5.0				
	6	0.05	0.4	7.0	3.5				
	7	0.05	5.0	80.0	40.0				
	8	0.05	0.6	10.0			✓		
	9	0.05	0.3	4.0					✓
	10	0.05	0.9	30.0	1.9				
	11	0.05	0.7	22.0			✓		
	12	0.05	0.9	15.0	7.5				
	13	0.05	0.3	10.0			✓		
	14	0.05	0.4	14.0			✓		
	15	0.05	0.4	6.0	3.0				
	16	0.05	0.5	8.0			✓		
	17	0.05	1.3	42.0			✓		
	18	0.05	0.5	20.0			✓		
	19	0.05	0.6	10.0	5.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-28. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY(cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.6	9.0	4.5				
	21	0.05	1.3	10.0			✓		
	22	0.05	0.4	6.0	3.0				
	23	0.05	0.4	5.0	2.5				
	24	0.05	0.6	20.0	1.2				
	25	0.45	4.9	11.0			✓		
	26	0.05	2.0	32.0	16.0				
	27	0.05	1.4	22.0			✓		
	28	0.05	0.9	15.0	7.5				
	29	0.05	0.4	6.0					✓
	30	0.05	0.4	6.0	3.0				
	31	0.05	0.5	8.0	4.0				
	32	0.05	0.6	10.0			✓		
	33	0.05	0.7	11.0				✓	
	34	0.05	0.3	8.0			✓		
	35	0.05	0.5	8.0	4.0				
	36	0.05	0.4	7.0	3.5				
	37	0.05	0.5	8.0	4.0				
	38	0.05	0.9	14.0	7.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-28. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY(cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.5	8.0	4.0				
	40	0.10	0.7	5.5	22.0				
	41	0.05	0.4	7.0			✓		
	42	0.05	0.8	13.0			✓		
	43	0.05	0.6	20.0	1.2				
	44	0.05	0.3	10.0			✓		
	45	0.05	0.4	6.0			✓		
	46	0.05	0.8	12.0	6.0				
	47	0.05	0.3	5.0	2.5				
	48	0.05	0.6	10.0	5.0				
	49	0.05	0.6	10.0	5.0				
	50	0.05	0.8	12.0	6.0				
	51	0.05	4.9	78.0	40.0				
	52	0.05	0.4	6.0			✓		
	53	0.05	0.6	9.0			✓		
	54	0.05	0.6	10.0			✓		
	55	0.05	0.6	9.0			✓		
	56	0.05	1.0	16.0			✓		
	57	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-28. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY(cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.7	11.0			✓		
	59	0.05	0.4	12.0					✓
	60	0.05	0.3	10.0					✓
	61	0.05	0.4	12.0			✓		
	62	0.05	0.5	8.0			✓		
	63	0.05	0.3	5.0					✓
	64	0.05	0.8	26.0	1.6				
	65	0.05	0.4	6.0			✓		
	66	0.05	0.4	6.0	3.0				
	67	0.05	0.4	7.0			✓		
	68	0.05	0.4	6.0			✓		
	69	0.05	1.1	17.0	8.5				
	70	0.05	0.4	14.0			✓		
	71	0.05	0.4	14.0					✓
	72	0.05	0.8	12.0				✓	
	73	0.05	0.8	26.0			✓		
	74	0.05	0.5	16.0			✓		
	75	0.05	2.1	33.0	17.0				
	76	0.05	0.4	7.0	3.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-28. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY(cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.5	8.0	4.0				
	78	0.05	0.4	7.0	3.5				
	79	0.05	0.4	6.0			✓		
	80	0.05	1.6	50.0	3.1				
	81	0.05	1.1	18.0	9.0				
	82	0.05	8.3	260.0			✓		
	83	0.05	0.7	11.0	5.5				
	84	0.05	0.4	7.0	3.5				
	85	0.05	2.2	70.0	4.4				
	86	0.05	0.8	13.0	6.5				
	87	0.10	1.5	12.0	48.0				
	88	0.05	0.3	10.0					✓
	89	0.05	0.9	14.0			✓		
	90	0.05	0.3	5.0			✓		
	91	0.05	0.5	8.0	4.0				
	92	0.05	4.4	70.0			✓		
	93	0.05	1.9	30.0			✓		
	94	0.05	0.5	8.0	4.0				
	95	0.05	1.0	16.0	8.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-28. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY(cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	1.8	18.0	14.0				
	97	0.05	0.5	8.0			✓		
	98	0.05	0.6	9.0	4.5				
	99	0.05	1.6	26.0	13.0				
	100	0.05	1.4	22.0	11.0				
	101	0.05	0.5	8.0	4.0				
	102	0.05	0.6	18.0	1.1				
	103	0.05	1.0	16.0	8.0				
	104	0.05	0.9	15.0			✓		
	105	0.05	0.8	12.0			✓		
	106	0.05	0.9	14.0	7.0				
	107	0.05	0.6	10.0				✓	
	108	0.05	0.4	12.0					✓
	109	0.05	1.6	26.0			✓		
	110	0.05	1.3	20.0			✓		
	111	0.05	1.6	25.0			✓		
	112	0.05	0.3	10.0			✓		
	113	0.05	0.5	8.0	4.0				
	114	0.05	0.8	13.0	6.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-28. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.4	6.0				✓	
	116	0.05	0.3	10.0			✓		
	117	0.05	0.6	20.0	1.2				
	118	0.05	0.6	18.0			✓		
	119	0.05	0.5	8.0	4.0				
	120	0.05	0.4	14.0	0.9				
	121	0.05	0.3	10.0					✓
	122	0.05	0.6	20.0			✓		
	123	0.05	0.3	5.0	2.5				
	124	0.05	0.3	5.0	2.5				
	125	0.05	0.3	10.0					✓
	126	0.05	1.3	20.0	10.0				
	127	0.05	0.7	11.0			✓		
	128	0.05	1.2	19.0	9.5				
	129	0.05	0.6	9.0	4.5				
	130	0.05	1.6	26.0			✓		
	131	0.05	0.6	10.0	5.0				
	132	0.05	0.4	14.0	0.9				
	133	0.05	0.4	6.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-28. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY(cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.9	15.0	7.5				
	135	0.05	0.6	10.0	5.0				
	136	0.05	0.6	10.0	5.0				
	137	0.05	1.3	20.0	10.0				
	138	0.05	0.5	16.0			✓		
	139	0.05	0.6	20.0			✓		
	140	0.05	0.6	9.0	4.5				
	141	0.05	1.1	18.0	9.0				
	142	0.05	1.3	20.0	10.0				
	143	0.05	0.8	26.0	1.6				
	144	0.10	1.1	8.5			✓		
	145	0.05	0.6	20.0	1.2				
	146	0.05	0.9	15.0	7.5				
	147	0.05	0.4	6.0					✓
	148	0.05	5.4	87.0	43.0				
	149	0.20	0.8	4.0			✓		
	150	0.05	0.5	8.0	4.0				
	151	0.05	0.4	14.0			✓		
	152	0.05	0.6	10.0	5.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-28. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY(cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	2.4	39.0			✓		
	154	0.05	0.4	6.0			✓		
	155	0.05	0.9	28.0	1.7				
	156	0.05	0.4	14.0			✓		
	157	0.05	0.4	7.0	3.5				
	158	0.05	0.4	6.0			✓		
	159	0.05	0.4	7.0			✓		
	160	0.05	0.7	11.0			✓		
	161	0.05	0.9	15.0	7.5				
	162	0.05	0.8	13.0	6.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.10	1.4	11.0	46.0				
	2	0.05	0.4	7.0			✓		
	3	0.05	0.6	10.0			✓		
	4	0.05	0.6	10.0			✓		
	5	0.05	0.6	9.0	4.5				
	6	0.05	0.5	8.0			✓		
	7	0.05	0.3	4.0			✓		
	8	0.05	0.3	5.0			✓		
	9	0.05	1.8	28.0			✓		
	10	0.05	0.4	6.0			✓		
	11	0.05	0.8	13.0	6.5				
	12	0.05	0.4	6.0			✓		
	13	0.05	0.6	10.0			✓		
	14	0.05	2.6	42.0	21.0				
	15	0.05	0.7	11.0			✓		
	16	0.10	0.8	6.0	24.0				
	17	0.05	0.6	9.0			✓		
	18	0.05	0.9	15.0	7.5				
	19	0.05	0.9	14.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	2.9	46.0			✓		
	21	0.05	1.1	19.0			✓		
	22	0.05	4.6	73.0	36.0				
	23	0.05	0.4	14.0	0.9				
	24	0.05	0.7	9.0	4.5				
	25	0.10	2.2	18.0	70.0				
	26	0.05	1.1	17.0				✓	
	27	0.05	0.7	11.0	5.5				
	28	0.05	1.0	16.0				✓	
	29	0.10	0.7	7.0	26.0				
	30	0.05	0.9	15.0	7.5				
	31	0.05	0.8	12.0			✓		
	32	0.05	0.4	6.0				✓	
	33	0.05	1.9	31.0			✓		
	34	0.05	0.8	9.0			✓		
	35	0.05	2.3	37.0	18.0				
	36	0.10	1.9	16.0	62.0				
	37	0.05	0.7	11.0	5.5				
	38	0.05	0.8	9.0	4.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.4	14.0			✓		
	40	0.05	1.2	36.0			✓		
	41	0.05	0.4	7.0			✓		
	42	0.05	0.4	7.0			✓		
	43	0.05	0.4	6.0			✓		
	44	0.05	0.6	10.0	5.0				
	45	0.05	0.4	6.0	3.0				
	46	0.05	0.8	24.0	1.5				
	47	0.05	0.4	7.0			✓		
	48	0.05	0.9	14.0	7.0				
	49	0.05	0.7	13.0	6.5				
	50	0.05	0.9	30.0				✓	
	51	0.05	0.5	8.0			✓		
	52	0.05	0.7	13.0			✓		
	53	0.10	0.8	6.0			✓		
	54	0.20	1.3	7.0	90.0				
	55	0.05	0.7	11.0			✓		
	56	0.05	1.2	19.0			✓		
	57	0.05	0.9	14.0	7.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.7	11.0	5.5				
	59	0.05	0.4	6.0			✓		
	60	0.05	0.8	12.0			✓		
	61	0.05	1.3	21.0			✓		
	62	0.05	0.4	6.0	3.0				
	63	0.05	0.8	13.0					✓
	64	0.05	0.8	12.0			✓		
	65	0.05	0.6	9.0			✓		
	66	0.05	1.8	28.0				✓	
	67	0.05	1.0	16.0	8.0				
	68	0.05	1.1	17.0	8.5				
	69	0.05	0.4	6.0			✓		
	70	0.10	1.3	10.0			✓		
	71	0.05	0.9	15.0					✓
	72	0.05	0.8	12.0			✓		
	73	0.05	0.6	10.0					✓
	74	0.05	2.4	38.0	19.0				
	75	0.05	1.7	27.0	14.0				
	76	0.05	1.3	21.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	1.1	36.0	2.2				
	78	0.10	0.9	15.0			✓		
	79	0.05	0.9	15.0	7.5				
	80	0.05	0.4	6.0				✓	
	81	0.05	1.2	19.0			✓		
	82	0.05	0.9	14.0			✓		
	83	0.05	1.0	16.0			✓		
	84	0.05	0.4	12.0					✓
	85	0.10	0.7	6.5	26.0				
	86	0.05	10.0	160.0	81.0				
	87	0.05	0.6	10.0	5.0				
	88	0.05	2.4	39.0	19.0				
	89	0.05	1.7	27.0	14.0				
	90	0.05	0.6	10.0			✓		
	91	0.05	0.7	11.0	5.5				
	92	0.05	0.9	15.0			✓		
	93	0.30	2.3	7.2			✓		
	94	0.05	1.0	16.0	8.0				
	95	0.05	0.6	10.0	5.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.6	20.0			✓		
	97	0.05	1.9	30.0	15.0				
	98	0.05	3.6	58.0	29.0				
	99	0.05	0.4	6.0	3.0				
	100	0.05	0.8	13.0	6.5				
	101	0.05	1.2	19.0				✓	
	102	0.05	0.6	10.0			✓		
	103	0.05	1.5	24.0	12.0				
	104	0.30	1.7	5.4			✓		
	105	0.25	4.4	17.0			✓		
	106	0.05	0.8	12.0			✓		
	107	0.05	0.4	14.0			✓		
	108	0.05	0.6	10.0	5.0				
	109	0.05	1.6	25.0	13.0				
	110	0.05	0.4	7.0			✓		
	111	0.05	0.8	13.0	6.5				
	112	0.05	0.3	5.0					✓
	113	0.05	0.8	12.0			✓		
	114	0.05	0.9	15.0	7.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.8	12.0	6.0				
	116	0.05	0.6	10.0			✓		
	117	0.05	0.6	10.0					✓
	118	0.05	0.4	6.0	3.0				
	119	0.05	0.4	7.0	3.5				
	120	0.05	1.4	22.0					✓
	121	0.05	1.3	20.0	10.0				
	122	0.05	3.6	57.0			✓		
	123	0.05	0.6	10.0	5.0				
	124	0.10	0.5	5.0			✓		
	125	0.05	1.9	62.0			✓		
	126	0.05	0.7	11.0			✓		
	127	0.05	0.5	16.0			✓		
	128	0.05	3.0	96.0			✓		
	129	0.05	3.1	100.0	6.2				
	130	0.05	0.9	14.0	7.0				
	131	0.25	1.8	7.0			✓		
	132	0.05	0.6	9.0			✓		
	133	0.05	0.7	11.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.6	9.0					✓
	135	0.05	0.6	9.0	4.5				
	136	0.05	1.2	19.0			✓		
	137	0.05	2.5	40.0	20.0				
	138	0.05	0.7	11.0	5.5				
	139	0.05	0.3	4.0	2.0				
	140	0.05	0.7	11.0	5.5				
	141	0.05	0.4	6.0	3.0				
	142	0.10	2.7	22.0	86.0				
	143	0.05	2.3	37.0	18.0				
	144	0.10	1.3	10.0	40.0				
	145	0.05	2.2	35.0	17.0				
	146	0.05	0.4	7.0					✓
	147	0.05	0.3	5.0			✓		
	148	0.05	0.4	6.0	3.0				
	149	0.10	0.7	5.5			✓		
	150	0.05	0.6	9.0			✓		
	151	0.05	1.2	19.0			✓		
	152	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	1.3	21.0	11.0				
	154	0.05	0.9	14.0			✓		
	155	0.05	0.5	8.0			✓		
	156	0.05	0.3	5.0	2.5				
	157	0.05	0.4	6.0	3.0				
	158	0.05	0.9	15.0			✓		
	159	0.10	1.3	11.0	42.0				
	160	0.05	1.0	16.0	8.0				
	161	0.05	0.6	10.0	5.0				
	162	0.05	0.3	5.0			✓		
	163	0.05	1.6	26.0			✓		
	164	0.10	1.0	8.0	32.0				
	165	0.05	2.1	33.0	17.0				
	166	0.05	1.1	34.0			✓		
	167	0.05	1.8	29.0	15.0				
	168	0.05	0.7	11.0	5.5				
	169	0.05	1.4	23.0					✓
	170	0.05	0.7	11.0			✓		
	171	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	172	0.05	0.9	14.0			✓		
	173	0.05	1.1	17.0			✓		
	174	0.05	1.4	46.0					✓
	175	0.10	0.7	5.5			✓		
	176	0.05	1.3	20.0			✓		
	177	0.05	1.3	21.0			✓		
	178	0.05	1.1	17.0	8.5				
	179	0.05	1.9	31.0					✓
	180	0.05	0.4	6.0			✓		
	181	0.05	0.5	8.0				✓	
	182	0.05	1.0	16.0			✓		
	183	0.05	1.6	26.0			✓		
	184	0.05	0.8	13.0			✓		
	185	0.05	2.0	32.0	16.0				
	186	0.05	1.9	30.0	15.0				
	187	0.05	0.9	15.0			✓		
	188	0.05	0.9	15.0	7.5				
	189	0.05	0.8	12.0			✓		
	190	0.05	0.9	14.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-29. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, RAISCH PRODUCTS' AZEVEDO QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	191	0.05	0.6	9.0			✓		
	192	0.05	1.1	18.0	9.0				
	193	0.05	0.9	15.0			✓		
	194	0.05	0.4	14.0			✓		
	195	0.05	0.6	9.0			✓		
	196	0.05	5.5	88.0			✓		
	197	0.05	0.8	13.0	6.5				
	198	0.05	1.6	26.0	13.0				
	199	0.05	0.9	15.0	7.5				
	200	0.05	1.3	20.0			✓		
	201	0.05	1.0	16.0			✓		
	202	0.05	0.8	12.0			✓		
	203	0.10	1.3	10.0	40.0				
	204	0.05	1.9	30.0	15.0				
	205	0.05	1.7	27.0	14.0				
	206	0.05	1.9	31.0	16.0				
	207	0.10	1.4	11.0	44.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-30. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.6	9.0				✓	
	2	0.05	0.5	8.0			✓		
	3	0.10	0.6	5.0	20.0				
	4	0.05	0.7	11.0			✓		
	5	0.05	0.3	8.0			✓		
	6	0.05	0.5	8.0	4.0				
	7	0.05	0.5	16.0			✓		
	8	0.05	0.4	6.0			✓		
	9	0.10	1.2	9.5	38.0				
	10	0.10	1.6	13.0			✓		
	11	0.05	0.4	7.0			✓		
	12	0.05	0.3	5.0			✓		
	13	0.05	0.4	7.0			✓		
	14	0.05	0.8	12.0	6.0				
	15	0.05	0.3	10.0			✓		
	16	0.05	0.6	9.0	4.5				
	17	0.05	0.7	11.0	5.5				
	18	0.05	0.7	11.0			✓		
	19	0.05	0.3	10.0	0.6				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-30. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.4	6.0	3.0				
	21	0.05	0.4	6.0			✓		
	22	0.05	0.4	7.0					✓
	23	0.05	0.6	9.0	4.5				
	24	0.05	0.4	12.0	0.7				
	25	0.05	0.3	10.0	0.6				
	26	0.05	0.6	10.0	5.0				
	27	0.05	0.3	5.0			✓		
	28	0.05	0.6	9.0	4.5				
	29	0.05	0.6	10.0	5.0				
	30	0.10	1.3	10.0			✓		
	31	0.20	1.0	5.3			✓		
	32	0.05	0.4	6.0				✓	
	33	0.10	0.5	4.0	16.0				
	34	0.05	0.7	11.0	0.5				
	35	0.05	0.6	9.0	4.5				
	36	0.05	0.5	8.0	4.0				
	37	0.05	0.4	7.0	3.5				
	38	0.05	0.6	9.0	4.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-30. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.7	22.0			✓		
	40	0.05	1.1	18.0				✓	
	41	0.20	0.6	3.3	45.0				
	42	0.10	0.6	5.0				✓	
	43	0.05	0.6	9.0	4.5				
	44	0.05	0.4	12.0	0.7				
	45	0.05	0.4	14.0	0.9				
	46	0.05	0.3	10.0	0.6				
	47	0.05	0.6	10.0	5.0				
	48	0.05	0.4	7.0	3.5				
	49	0.05	0.3	10.0	0.6				
	50	0.05	0.7	22.0	1.4				
	51	0.05	0.3	5.0			✓		
	52	0.05	0.3	5.0	2.5				
	53	0.05	0.4	7.0			✓		
	54	0.10	2.2	17.5	70.0				
	55	0.05	0.4	7.0					✓
	56	0.05	0.6	10.0	5.0				
	57	0.10	2.3	19.0	74.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-30. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.5	8.0	4.0				
	59	0.05	0.8	12.0	6.0				
	60	0.05	0.3	8.0	0.5				
	61	0.10	0.7	5.5	22.0				
	62	0.05	0.6	10.0				✓	
	63	0.05	0.3	5.0			✓		
	64	0.05	0.3	5.0			✓		
	65	0.05	0.6	10.0	5.0				
	66	0.05	0.5	8.0			✓		
	67	0.05	0.3	10.0			✓		
	68	0.05	0.4	7.0	3.5				
	69	0.05	1.1	17.0	8.5				
	70	0.05	0.3	5.0			✓		
	71	0.05	0.6	10.0	5.0				
	72	0.05	0.4	6.0	3.0				
	73	0.05	0.4	14.0			✓		
	74	0.05	0.8	13.0				✓	
	75	0.05	0.6	10.0			✓		
	76	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-30. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.9	15.0	7.5				
	78	0.05	0.3	5.0	2.5				
	79	0.05	0.7	22.0			✓		
	80	0.05	0.3	5.0			✓		
	81	0.05	0.8	13.0			✓		
	82	0.05	0.6	10.0				✓	
	83	0.05	0.4	7.0	3.5				
	84	0.05	0.4	6.0				✓	
	85	0.05	1.1	36.0			✓		
	86	0.05	0.5	8.0			✓		
	87	0.05	1.6	50.0			✓		
	88	0.05	1.6	25.0	13.0				
	89	0.05	1.0	16.0			✓		
	90	0.05	0.4	7.0			✓		
	91	0.05	0.8	13.0	6.5				
	92	0.05	0.9	15.0	7.5				
	93	0.05	0.4	7.0			✓		
	94	0.05	0.3	5.0			✓		
	95	0.05	0.4	6.0	3.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-30. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.6	9.0	4.5				
	97	0.05	1.3	21.0	10.0				
	98	0.05	0.4	12.0	0.7				
	99	0.05	0.6	10.0	5.0				
	100	0.05	0.6	9.0	4.5				
	101	0.60	2.5	4.0			✓		
	102	0.10	3.1	25.0	100.0				
	103	0.05	0.6	10.0	5.0				
	104	0.10	0.7	5.5			✓		
	105	0.05	0.4	7.0			✓		
	106	0.05	1.2	19.0			✓		
	107	0.05	0.4	6.0	3.0				
	108	0.05	0.4	6.0			✓		
	109	0.05	0.4	7.0	3.5				
	110	0.05	0.6	10.0	5.0				
	111	0.05	0.4	6.0	3.0				
	112	0.05	0.5	8.0			✓		
	113	0.05	0.6	9.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-31. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.10	1.9	15.0			✓		
	2	0.05	3.8	60.0			✓		
	3	0.05	0.4	7.0			✓		
	4	0.10	0.6	5.0				✓	
	5	0.05	1.3	21.0				✓	
	6	0.10	0.9	7.5	30.0				
	7	0.05	0.6	10.0	5.0				
	8	0.10	0.4	3.5	14.0				
	9	0.05	0.6	10.0			✓		
	10	0.05	0.3	5.0			✓		
	11	0.05	0.4	7.0				✓	
	12	0.05	0.4	7.0			✓		
	13	0.05	0.3	5.0	2.5				
	14	0.25	1.1	4.5			✓		
	15	0.05	0.8	13.0			✓		
	16	0.10	1.3	10.0			✓		
	17	0.20	0.7	3.7	49.0				
	18	0.45	3.5	8.0	1400.0				
	19	0.10	0.6	4.5			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-31. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.6	10.0				✓	
	21	0.10	0.7	5.5	22.0				
	22	0.05	0.4	7.0			✓		
	23	0.05	1.9	31.0			✓		
	24	0.10	0.5	4.0	16.0				
	25	0.10	0.6	5.0	20.0				
	26	0.05	0.6	10.0			✓		
	27	0.05	0.4	6.0	3.0				
	28	0.05	0.7	11.0			✓		
	29	0.10	0.9	7.5				✓	
	30	0.10	0.6	5.0	20.0				
	31	0.10	0.5	4.0	16.0				
	32	0.05	0.6	10.0	5.0				
	33	0.10	0.6	4.5			✓		
	34	0.05	2.1	34.0			✓		
	35	0.05	0.5	8.0	4.0				
	36	0.05	0.6	9.0				✓	
	37	0.05	0.9	15.0	7.5				
	38	0.10	0.8	6.0	24.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-31. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.10	1.8	14.0			✓		
	40	0.05	2.3	36.0			✓		
	41	0.05	1.9	30.0			✓		
	42	0.05	1.8	29.0	14.0				
	43	0.25	1.0	4.0	130.0				
	44	0.10	0.8	6.0			✓		
	45	0.05	0.5	8.0				✓	
	46	0.10	0.6	4.5				✓	
	47	0.05	0.6	10.0				✓	
	48	0.05	0.6	10.0				✓	
	49	0.05	1.8	28.0			✓		
	50	0.05	0.9	15.0				✓	
	51	0.10	0.4	3.0	12.0				
	52	0.05	0.5	8.0			✓		
	53	0.05	3.2	51.0	25.0				
	54	0.10	3.4	4.0			✓		
	55	0.10	0.9	7.5				✓	
	56	0.05	0.5	8.0				✓	
	57	0.05	0.5	8.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-31. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	1.6	25.0			✓		
	59	0.05	0.6	9.0			✓		
	60	0.10	0.4	3.5		16.0			
	61	0.05	0.6	20.0			✓		
	62	0.30	1.8	5.6			✓		
	63	0.10	1.8	14.0	56.0				
	64	0.25	1.9	7.5	240.0				
	65	0.10	0.6	5.0			✓		
	66	0.05	0.6	9.0			✓		
	67	0.05	2.3	36.0			✓		
	68	0.05	0.9	15.0				✓	
	69	0.05	0.6	10.0	5.0				
	70	0.10	0.9	7.5	30.0				
	71	0.05	0.8	12.0			✓		
	72	0.05	0.6	10.0			✓		
	73	0.20	1.1	6.0			✓		
	74	0.05	0.6	9.0			✓		
	75	0.05	0.4	6.0	3.0				
	76	0.05	0.4	6.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-31. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, .)
HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.5	8.0	4.0				
	78	0.05	0.3	10.0			✓		
	79	0.05	0.3	10.0				✓	
	80	0.05	2.2	35.0	17.0				
	81	0.05	0.4	7.0			✓		
	82	0.20	0.9	5.0				✓	
	83	0.10	0.15	4.0	16.0				
	84	0.05	0.7	11.0			✓		
	85	0.05	0.4	7.0			✓		
	86	0.05	0.4	6.0				✓	
	87	0.05	0.5	8.0			✓		
	88	0.05	0.4	7.0	3.5				
	89	0.05	0.4	6.0				✓	
	90	0.05	2.1	34.0	17.0				
	91	0.05	0.3	5.0			✓		
	92	0.05	0.8	12.0			✓		
	93	0.05	0.4	7.0			✓		
	94	0.05	0.3	4.0			✓		
	95	0.05	1.1	17.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-31. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.7	11.0	5.5				
	97	0.05	2.2	35.0				✓	
	98	0.10	0.9	7.5			✓		
	99	0.05	0.6	9.0	4.5				
	100	0.05	0.4	6.0			✓		
	101	0.05	1.0	16.0			✓		
	102	0.05	0.9	15.0			✓		
	103	0.05	1.4	22.0				✓	
	104	0.05	1.9	60.0	3.7				
	105	0.10	0.8	6.5			✓		
	106	0.05	0.4	6.0			✓		
	107	0.20	1.8	9.7	130.0				
	108	0.10	1.1	9.0			✓		
	109	0.05	0.9	14.0			✓		
	110	0.05	0.6	10.0			✓		
	111	0.05	0.8	13.0				✓	
	112	0.05	0.4	6.0				✓	
	113	0.05	0.7	11.0			✓		
	114	0.05	1.1	18.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-31. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.60	5.3	8.4			✓		
	116	0.05	0.6	9.0			✓		
	117	0.10	0.7	5.5	22.0				
	118	0.20	1.2	6.3	85.0				
	119	0.05	0.3	5.0	2.5				
	120	0.05	0.7	11.0	5.5				
	121	0.05	0.7	11.0			✓		
	122	0.05	0.6	10.0			✓		
	123	0.05	0.4	6.0				✓	
	124	0.05	0.9	14.0			✓		
	125	0.10	1.4	11.0				✓	
	126	0.05	0.6	10.0	5.0				
	127	0.05	0.5	8.0			✓		
	128	0.05	0.4	6.0			✓		
	129	0.05	0.9	15.0	5.0				
	130	0.05	1.6	25.0	13.0				
	131	0.05	0.9	14.0			✓		
	132	0.20	1.3	6.7			✓		
	133	0.05	1.4	22.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-31. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.9	15.0			✓		
	135	0.05	0.8	13.0	6.5				
	136	0.05	0.5	16.0				✓	
	137	0.05	0.3	5.0				✓	
	138	0.05	0.7	11.0			✓		
	139	0.05	0.6	9.0	4.5				
	140	0.10	0.4	3.5	14.0				
	141	0.05	0.8	12.0			✓		
	142	0.05	0.7	11.0	5.5				
	143	0.05	0.6	9.0	4.5				
	144	0.05	0.5	8.0	4.0				
	145	0.05	1.4	44.0			✓		
	146	0.05	0.4	6.0	3.0				
	147	0.05	0.3	4.0				✓	
	148	0.05	0.7	11.0			✓		
	149	0.05	0.8	12.0			✓		
	150	0.05	1.8	28.0			✓		
	151	0.05	0.4	7.0	3.5				
	152	0.05	0.7	11.0	5.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-31. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	1.5	24.0	12.0				
	154	0.05	0.6	9.0	4.5				
	155	0.05	0.4	6.0			✓		
	156	0.05	1.1	18.0	9.0				
	157	0.10	0.7	5.5	22.0				
	158	0.20	0.7	3.7	49.0				
	159	0.05	1.7	27.0	14.0				
	160	0.05	0.4	7.0	3.5				
	161	0.05	0.4	7.0	3.5				
	162	0.05	0.9	14.0	7.0				
	163	0.20	2.5	13.0	180.0				
	164	0.05	2.2	35.0	17.0				
	165	0.05	0.6	10.0			✓		
	166	0.10	0.8	6.5				✓	
	167	0.05	3.1	49.0	24.0				
	168	0.05	0.5	8.0			✓		
	169	0.20	1.0	5.3	72.0				
	170	0.05	0.8	12.0	6.0				
	171	0.05	1.1	18.0	9.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-31. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	172	0.05	1.5	24.0	12.0				
	173	0.05	1.3	20.0	10.0				
	174	0.05	0.4	6.0	3.0				
	175	0.05	1.6	26.0	13.0				
	176	0.05	0.6	10.0			✓		
	177	0.10	0.8	6.0	24.0				
	178	0.25	1.1	4.2	140.0				
	179	0.05	0.9	15.0	7.5				
	180	0.10	0.8	6.0			✓		
	181	0.05	1.4	22.0			✓		
	182	0.20	1.5	8.0			✓		
	183	0.05	3.5	56.0	28.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.3	5.0			✓		
	2	0.05	0.5	8.0			✓		
	3	0.05	0.4	7.0			✓		
	4	0.05	0.6	10.0				✓	
	5	0.05	0.5	8.0				✓	
	6	0.05	0.6	9.0			✓		
	7	0.30	1.8	5.8			✓		
	8	0.30	2.3	7.4			✓		
	9	0.05	0.3	5.0	2.5				
	10	0.05	0.4	7.0	3.5				
	11	0.10	0.6	5.0	20.0				
	12	0.05	0.3	4.0				✓	
	13	0.05	0.3	5.0			✓		
	14	0.05	0.3	5.0			✓		
	15	0.05	0.4	7.0			✓		
	16	0.05	1.1	18.0			✓		
	17	0.55	3.8	6.8			✓		
	18	0.05	0.4	7.0	3.5				
	19	0.05	1.9	30.0	15.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.9	15.0	7.5				
	21	0.05	0.6	20.0	1.2				
	22	0.05	0.5	16.0					✓
	23	0.05	0.9	30.0	1.9				
	24	0.30	1.7	5.4	340.0				
	25	0.05	0.3	5.0			✓		
	26	0.05	0.4	6.0			✓		
	27	0.05	0.3	5.0			✓		
	28	0.10	0.4	3.5	14.0				
	29	0.05	0.4	6.0	3.0				
	30	0.05	0.9	15.0			✓		
	31	0.25	1.9	7.8				✓	
	32	0.05	0.7	11.0	5.5				
	33	0.20	1.5	8.0			✓		
	34	0.10	0.6	4.5	18.0				
	35	0.05	0.6	10.0			✓		
	36	0.10	0.5	4.0			✓		
	37	0.05	0.6	10.0			✓		
	38	0.05	0.4	6.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	1.1	18.0	9.0				
	40	0.25	1.8	7.0			✓		
	41	0.05	0.4	6.0	3.0				
	42	0.05	0.8	13.0			✓		
	43	0.05	1.1	18.0	9.0				
	44	0.05	0.9	15.0	7.5				
	45	0.25	1.6	6.3			✓		
	46	0.20	1.3	7.0	94.0				
	47	0.25	3.1	13.0			✓		
	48	0.25	2.4	9.5			✓		
	49	0.05	0.6	10.0			✓		
	50	0.05	0.3	4.0			✓		
	51	0.05	0.3	6.0			✓		
	52	0.05	1.5	24.0			✓		
	53	0.05	0.6	20.0			✓		
	54	0.05	0.9	30.0			✓		
	55	0.05	0.3	5.0			✓		
	56	0.05	0.8	12.0			✓		
	57	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.3	5.0					✓
	59	0.05	0.4	6.0					✓
	60	0.05	0.4	7.0	3.5				
	61	0.05	0.6	8.0	4.0				
	62	0.05	2.6	41.0				✓	
	63	0.05	0.7	11.0					✓
	64	0.25	1.3	5.0			✓		
	65	0.05	0.6	10.0	5.0				
	66	0.10	0.7	5.5	22.0				
	67	0.05	0.6	20.0				✓	
	68	0.05	0.6	10.0	5.0				
	69	0.10	0.6	5.0	20.0				
	70	0.05	0.7	11.0	5.5				
	71	0.05	0.6	10.0	5.0				
	72	0.05	1.1	36.0	2.2				
	73	0.05	0.8	12.0			✓		
	74	0.05	0.9	14.0	7.0				
	75	0.10	1.3	11.0	42.0				
	76	0.05	0.7	11.0	5.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.8	26.0	1.6				
	78	0.05	0.8	13.0			✓		
	79	0.05	0.7	11.0	5.5				
	80	0.05	0.7	11.0			✓		
	81	0.10	1.0	8.0	32.0				
	82	0.05	0.4	7.0	3.5				
	83	0.05	0.8	13.0			✓		
	84	0.50	2.1	4.2	1100.0				
	85	0.05	0.8	26.0					✓
	86	0.25	1.9	7.5			✓		
	87	0.05	0.4	7.0			✓		
	88	0.05	0.3	5.0			✓		
	89	0.55	3.0	5.5	1900.0				
	90	0.20	1.0	5.3	72.0				
	91	0.05	0.6	10.0	5.0				
	92	0.05	0.4	6.0	3.0				
	93	0.05	0.6	10.0	5.0				
	94	0.05	1.4	23.0			✓		
	95	0.05	0.5	8.0	4.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	1.1	36.0				✓	
	97	0.05	0.6	9.0					✓
	98	0.05	0.9	14.0			✓		
	99	0.05	1.6	25.0	13.0				
	100	0.05	0.8	12.0	6.0				
	101	0.05	1.1	18.0			✓		
	102	0.05	1.0	16.0	8.0				
	103	0.05	1.1	18.0	9.0				
	104	0.25	1.1	4.5	140.0				
	105	0.05	0.8	13.0			✓		
	106	0.05	0.8	12.0			✓		
	107	0.05	0.6	9.0				✓	
	108	0.05	1.4	22.0			✓		
	109	0.05	0.8	13.0			✓		
	110	0.05	1.3	21.0	11.0				
	111	0.05	1.9	30.0	15.0				
	112	0.05	0.7	11.0	5.5				
	113	0.05	0.5	8.0			✓		
	114	0.05	1.0	16.0	8.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	1.3	20.0			✓		
	116	0.05	1.7	27.0	14.0				
	117	0.05	0.8	13.0			✓		
	118	0.05	0.6	10.0					✓
	119	0.05	0.8	13.0	6.5				
	120	0.05	0.5	8.0			✓		
	121	0.05	0.6	10.0			✓		
	122	0.05	0.6	10.0			✓		
	123	0.05	0.4	6.0			✓		
	124	0.05	1.3	20.0	10.0				
	125	0.05	0.6	10.0			✓		
	126	0.05	0.9	15.0	7.5				
	127	0.20	4.8	25.0			✓		
	128	0.05	2.5	40.0	20.0				
	129	0.25	1.3	5.0			✓		
	130	0.05	1.3	20.0			✓		
	131	0.05	0.9	15.0			✓		
	132	0.05	0.4	7.0			✓		
	133	0.05	0.7	11.0	5.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.8	24.0					✓
	135	0.05	1.0	16.0	8.0				
	136	0.05	0.7	11.0			✓		
	137	0.05	0.6	10.0	5.0				
	138	0.05	0.6	10.0			✓		
	139	0.05	1.0	16.0	8.0				
	140	0.05	1.1	17.0			✓		
	141	0.05	0.8	12.0			✓		
	142	0.05	0.6	10.0	5.0				
	143	0.05	1.2	19.0			✓		
	144	0.05	2.0	32.0			✓		
	145	0.05	0.3	5.0					✓
	146	0.05	0.9	15.0			✓		
	147	0.05	0.9	15.0			✓		
	148	0.05	0.8	12.0			✓		
	149	0.05	0.8	13.0			✓		
	150	0.05	0.7	11.0			✓		
	151	0.05	0.8	13.0	6.5				
	152	0.05	0.3	5.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	1.3	40.0			✓		
	154	0.05	0.6	10.0	5.0				
	155	0.10	0.6	5.0	20.0				
	156	0.05	1.3	10.0			✓		
	157	0.05	1.3	21.0			✓		
	158	0.10	1.9	15.0	60.0				
	159	0.05	0.8	13.0	6.5				
	160	0.05	0.6	10.0			✓		
	161	0.05	0.6	10.0	5.0				
	162	0.05	0.9	15.0			✓		
	163	0.05	0.4	6.0					✓
	164	0.05	0.8	12.0	6.0				
	165	0.05	0.6	10.0	5.0				
	166	0.05	0.5	8.0			✓		
	167	0.05	1.7	54.0			✓		
	168	0.05	0.6	10.0	5.0				
	169	0.05	1.1	34.0	2.1				
	170	0.10	0.9	7.5			✓		
	171	0.05	0.4	6.0	3.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	172	0.05	1.2	19.0	9.5				
	173	0.20	0.6	3.3		52.0			
	174	0.05	0.7	11.0	5.5				
	175	0.05	0.8	12.0	6.0				
	176	0.05	0.6	10.0	5.0				
	177	0.25	1.4	5.5	180.0				
	178	0.05	0.6	9.0	4.5				
	179	0.05	0.6	9.0	4.5				
	180	0.05	0.6	10.0	5.0				
	181	0.05	0.8	6.5			✓		
	182	0.05	0.9	14.0			✓		
	183	0.05	0.6	10.0			✓		
	184	0.05	1.0	16.0	8.0				
	185	0.05	0.6	9.0	4.5				
	186	0.05	0.4	14.0			✓		
	187	0.05	0.7	11.0			✓		
	188	0105	0.4	14.0					✓
	189	0.05	0.4	6.0	3.0				
	190	0.05	0.8	13.0					✓

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	191	0.05	1.1	18.0	9.0				
	192	0.05	1.0	16.0			✓		
	193	0.10	0.9	7.5	30.0				
	194	0.25	1.4	5.8	180.0				
	195	0.10	0.8	6.5			✓		
	196	0.05	0.5	16.0			✓		
	197	0.05	0.7	22.0			✓		
	198	0.05	0.6	18.0			✓		
	199	0.05	0.9	15.0	7.5				
	200	0.05	0.9	15.0	7.5				
	201	0.05	0.8	12.0			✓		
	202	0.05	0.5	8.0			✓		
	203	0.10	1.3	11.0	42.0				
	204	0.05	0.4	14.0			✓		
	205	0.05	0.8	13.0			✓		
	206	0.10	0.8	6.0			✓		
	207	0.05	0.8	12.0			✓		
	208	0.05	0.9	14.0	7.0				
	209	0.05	1.6	26.0	13.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-32. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	210	0.05	1.4	22.0	11.0				
	211	0.10	0.9	7.5	30.0				
	212	0.05	0.7	11.0	5.5				
	213	0.10	1.3	11.0	42.0				
	214	0.05	0.4	6.0	3.0				
	215	0.05	1.2	19.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-33. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.10	1.1	9.0			✓		
	2	0.20	1.3	7.0	90.0				
	3	0.05	0.4	6.0			✓		
	4	0.05	0.7	22.0			✓		
	5	0.05	0.4	14.0					✓
	6	0.05	1.3	40.0	2.5				
	7	0.05	0.4	14.0	0.9				
	8	0.05	0.4	7.0	3.5				
	9	0.05	0.5	8.0	4.0				
	10	0.05	0.6	18.0	1.1				
	11	0.05	0.7	11.0	5.5				
	12	0.05	1.4	46.0			✓		
	13	0.05	0.6	9.0				✓	
	14	0.05	0.6	18.0			✓		
	15	0.05	1.0	32.0			✓		
	16	0.05	0.8	13.0			✓		
	17	0.05	0.6	10.0	5.0				
	18	0.05	0.8	12.0	6.0				
	19	0.05	1.1	18.0	9.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-33. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.3	4.0			✓		
	21	0.05	0.6	9.0	4.5				
	22	0.05	2.5	40.0			✓		
	23	0.05	0.3	5.0	2.5				
	24	0.05	0.9	15.0	7.5				
	25	0.05	0.4	7.0			✓		
	26	0.05	0.6	10.0			✓		
	27	0.05	0.7	11.0	5.5				
	28	0.05	0.7	11.0	5.5				
	29	0.05	0.6	20.0			✓		
	30	0.05	0.4	6.0	3.0				
	31	0.05	0.5	8.0	4.0				
	32	0.05	0.5	8.0			✓		
	33	0.05	0.9	14.0	7.0				
	34	0.05	0.4	7.0			✓		
	35	0.05	1.0	16.0	8.0				
	36	0.05	1.0	16.0			✓		
	37	0.05	0.8	12.0	6.0				
	38	0.05	1.2	38.0	2.4				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-33. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.9	28.0			✓		
	40	0.05	1.3	21.0	11.0				
	41	0.05	0.6	9.0	4.5				
	42	0.05	0.4	6.0	3.0				
	43	0.05	0.8	13.0					✓
	44	0.05	0.6	10.0			✓		
	45	0.05	0.3	4.0			✓		
	46	0.05	0.4	7.0	3.5				
	47	0.05	0.7	11.0			✓		
	48	0.05	0.6	10.0	5.0				
	49	0.05	0.5	8.0	4.0				
	50	0.05	0.4	6.0	3.0				
	51	0.05	0.6	20.0					✓
	52	0.05	0.4	6.0	3.0				
	53	0.05	1.5	24.0	12.0				
	54	0.05	0.6	10.0	5.0				
	55	0.05	0.9	15.0	7.5				
	56	0.05	0.6	9.0	4.5				
	57	0.05	0.8	13.0	6.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-33. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.8	12.0	6.0				
	59	0.05	0.5	8.0	4.0				
	60	0.05	0.3	4.0			✓		
	61	0.05	0.6	9.0	4.5				
	62	0.05	0.4	7.0			✓		
	63	0.05	0.5	8.0			✓		
	64	0.05	0.7	11.0	5.5				
	65	0.05	0.3	5.0	2.5				
	66	0.05	1.3	42.0	2.6				
	67	0.05	1.6	52.0	3.2				
	68	0.05	0.6	20.0			✓		
	69	0.05	0.6	20.0			✓		
	70	0.25	2.7	11.0			✓		
	71	0.05	2.3	37.0	18.0				
	72	0.05	0.5	8.0	4.0				
	73	0.05	0.6	9.0	4.5				
	74	0.05	0.5	8.0	4.0				
	75	0.05	1.8	56.0	3.5				
	76	0.06	0.6	10.0	5.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-33. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.4	6.0	3.0				
	78	0.05	2.1	68.0	4.2				
	79	0.05	0.6	18.0	1.1				
	80	0.05	0.6	9.0	4.5				
	81	0.05	1.1	34.0	2.1				
	82	0.05	0.8	13.0	6.5				
	83	0.05	2.6	41.0	20.0				
	84	0.05	0.3	5.0	2.5				
	85	0.20	0.9	4.7	63.0				
	86	0.05	0.5	8.0	4.0				
	87	0.05	0.6	10.0	5.0				
	88	0.05	0.8	13.0	6.5				
	89	0.05	1.0	16.0	8.0				
	90	0.05	0.7	11.0			✓		
	91	0.05	0.5	8.0			✓		
	92	0.05	0.4	12.0					✓
	93	0.05	0.5	8.0	4.0				
	94	0.05	0.6	10.0	5.0				
	95	0.05	0.8	12.0	6.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-33. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.6	9.0				✓	
	97	0.05	0.9	15.0			✓		
	98	0.05	0.6	10.0			✓		
	99	0.05	1.4	22.0					✓
	100	0.05	0.8	12.0			✓		
	101	0.05	1.6	25.0			✓		
	102	0.05	0.8	26.0			✓		
	103	0.05	1.3	21.0	11.0				
	104	0.05	0.5	8.0			✓		
	105	0.05	0.6	10.0	5.0				
	106	0.05	0.6	10.0			✓		
	107	0.05	0.4	7.0				✓	
	108	0.05	1.0	32.0	2.0				
	109	0.05	0.8	12.0	6.0				
	110	0.05	1.1	34.0	2.1				
	111	0.05	0.6	18.0	1.1				
	112	0.05	0.4	6.0	3.0				
	113	0.10	0.6	5.0	20.0				
	114	0.10	0.7	5.5	22.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-33. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.3	5.0	2.5				
	116	0.05	0.4	6.0			✓		
	117	0.05	1.4	46.0	2.9				
	118	0.05	0.8	12.0			✓		
	119	0.05	1.1	18.0	9.0				
	120	0.05	0.6	10.0	5.0				
	121	0.10	2.3	18.0	72.0				
	122	0.05	0.6	10.0			✓		
	123	0.05	0.6	20.0			✓		
	124	0.05	0.6	20.0			✓		
	125	0.05	0.6	10.0			✓		
	126	0.05	0.6	10.0	5.0				
	127	0.10	0.8	6.0	24.0				
	128	0.05	1.6	26.0	13.0				
	129	0.05	1.9	30.0			✓		
	130	0.05	1.1	17.0			✓		
	131	0.05	2.5	40.0	20.0				
	132	0.05	1.1	18.0			✓		
	133	0.05	0.6	9.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-33. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.6	10.0	5.0				
	135	0.05	0.8	13.0	6.5				
	136	0.05	1.3	40.0			✓		
	137	0.05	0.7	22.0			✓		
	138	0.05	0.7	11.0	5.5				
	139	0.05	0.3	5.0			✓		
	140	0.05	0.9	28.0			✓		
	141	0.20	0.7	3.7	49.0				
	142	0.05	0.4	6.0	3.0				
	143	0.05	0.8	13.0	6.5				
	144	0.05	2.3	36.0	18.0				
	145	0.05	2.4	38.0	19.0				
	146	0.05	0.9	30.0			✓		
	147	0.05	11.0	170.0	86.0				
	148	0.25	2.2	8.8	280.0				
	149	0.05	1.0	16.0			✓		
	150	0.05	0.4	7.0			✓		
	151	0.05	1.2	19.0	9.5				
	152	0.05	1.3	20.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-33. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	1.2	19.0	9.5				
	154	0.05	0.6	10.0	5.0				
	155	0.05	0.4	14.0					✓
	156	0.05	0.6	18.0			✓		
	157	0.05	2.5	40.0	20.0				
	158	0.05	1.1	18.0			✓		
	159	0.05	0.8	13.0	6.5				
	160	0.05	0.9	15.0			✓		
	161	0.05	1.0	16.0			✓		
	162	0.05	1.1	18.0	9.0				
	163	0.05	1.7	27.0			✓		
	164	0.05	0.4	6.0	3.0				
	165	0.05	1.1	18.0	9.0				
	166	0.05	0.5	8.0	4.0				
	167	0.10	3.6	29.0	120.0				
	168	0.05	0.8	120.0	6.0				
	169	0.05	0.4	7.0	3.5				
	170	0.55	2.8	4.9			✓		
	171	0.05	0.6	9.0	4.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-33. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	172	0.05	0.6	9.0	4.5				
	173	0.05	0.9	14.0	7.0				
	174	0.05	1.0	16.0	8.0				
	175	0.05	0.7	11.0	5.5				
	176	0.05	1.9	30.0	15.0				
	177	0.05	0.8	12.0	6.0				
	178	0.05	1.3	20.0	10.0				
	179	0.05	0.4	14.0	0.9				
	180	0.05	1.3	20.0	10.0				
	181	0.05	0.9	15.0	7.5				
	182	0.05	0.9	14.0	7.0				
	183	0.05	1.1	34.0	2.1				
	184	0.05	0.8	13.0			✓		
	185	0.10	1.8	14.0	56.0				
	186	0.05	0.6	20.0	1.2				
	187	0.05	0.6	20.0	1.2				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-34. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.3	5.0			✓		
	2	0.05	0.3	4.0			✓		
	3	0.05	0.3	5.0	2.5				
	4	0.05	0.4	6.0	3.0				
	5	0.05	0.4	6.0			✓		
	6	0.05	0.8	13.0	6.5				
	7	0.05	0.3	5.0			✓		
	8	0.05	0.5	16.0			✓		
	9	0.30	0.9	3.0	190.0				
	10	0.05	0.9	15.0	7.5				
	11	0.05	0.4	7.0	3.5				
	12	0.05	0.18	13.0			✓		
	13	0.30	2.6	8.4			✓		
	14	0.05	0.3	5.0				✓	
	15	0.05	0.4	6.0	3.0				
	16	0.05	0.5	8.0	4.0				
	17	0.05	0.6	9.0			✓		
	18	0.05	1.1	18.0	9.0				
	19	0.05	0.3	5.0	2.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-34. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.10	0.5	4.0	16.0				
	21	0.05	0.3	5.0			✓		
	22	0.05	0.4	14.0			✓		
	23	0.05	0.7	11.0	5.5				
	24	0.05	0.3	5.0				✓	
	25	0.05	0.3	5.0			✓		
	26	0.10	0.6	5.0	20.0				
	27	0.10	1.1	9.0			✓		
	28	0.25	1.3	5.0			✓		
	29	0.20	1.0	5.3	72.0				
	30	0.05	0.3	5.0			✓		
	31	0.05	0.3	10.0			✓		
	32	0.05	0.4	14.0			✓		
	33	0.10	0.4	3.5	14.0				
	34	0.05	0.9	15.0	7.5				
	35	0.05	0.5	16.0			✓		
	36	0.10	1.9	15.0	60.0				
	37	0.05	0.4	12.0			✓		
	38	0.05	0.9	14.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-34. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.5	8.0	4.0				
	40	0.05	0.3	5.0			✓		
	41	0.05	2.1	33.0	16.0				
	42	0.05	0.6	10.0	5.0				
	43	0.05	0.5	8.0			✓		
	44	0.05	0.4	6.0	3.0				
	45	0.05	0.5	8.0	4.0				
	46	0.05	0.6	20.0			✓		
	47	0.25	2.6	10.0			✓		
	48	0.05	0.4	7.0			✓		
	49	0.10	0.8	6.5			✓		
	50	0.05	0.4	6.0	3.0				
	51	0.05	0.5	8.0			✓		
	52	0.05	0.6	9.0	4.5				
	53	0.20	1.4	7.3	99.0				
	54	0.05	0.4	6.0			✓		
	55	0.05	0.8	13.0	6.5				
	56	0.05	0.8	12.0	6.0				
	57	0.05	1.1	18.0	9.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-34. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.4	6.0			✓		
	59	0.05	0.8	12.0			✓		
	60	0.05	1.4	23.0			✓		
	61	0.05	0.4	6.0	3.0				
	62	0.05	0.3	8.0			✓		
	63	0.05	0.3	5.0				✓	
	64	0.05	0.6	10.0	5.0				
	65	0.05	0.6	9.0			✓		
	66	0.05	0.4	14.0			✓		
	67	0.05	0.7	11.0	5.5				
	68	0.20	1.3	6.7	90.0				
	69	0.05	0.3	10.0			✓		
	70	0.10	0.4	3.5			✓		
	71	0.05	0.6	10.0	5.0				
	72	0.05	0.4	7.0	3.5				
	73	0.10	0.8	6.5	26.0				
	74	0.10	0.5	4.0	16.0				
	75	0.05	0.9	15.0				✓	
	76	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-34. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
2	77	0.05	0.4	7.0				✓	
	78	0.05	0.5	8.0	4.0				
	79	0.05	0.7	11.0	5.5				
	80	0.05	0.6	10.0				✓	
	81	0.10	1.1	8.5			✓		
	82	0.05	0.3	5.0			✓		
	83	0.05	0.4	7.0			✓		
	84	0.05	0.4	6.0			✓		
	85	0.05	1.0	16.0	8.0				
	86	0.05	1.3	20.0			✓		
	87	0.05	0.3	5.0			✓		
	88	0.05	0.6	10.0	5.0				
	89	0.05	0.7	11.0	5.5				
	90	0.10	0.7	5.5	5.5				
	91	0.05	0.3	5.0			✓		
	92	0.25	1.1	4.5	140.0				
	93	0.05	0.3	5.0			✓		
	94	0.20	1.1	6.0			✓		
	95	0.05	0.8	12.0	6.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-34. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.3	5.0	2.5				
	97	0.05	0.4	7.0			✓		
	98	0.05	1.7	27.0			✓		
	99	0.05	0.4	6.0	3.0				
	100	0.05	0.4	7.0			✓		
	101	0.05	0.5	8.0	4.0				
	102	0.05	0.3	5.0				✓	
	103	0.05	1.6	26.0				✓	
	104	0.05	0.4	7.0	3.5				
	105	0.05	0.5	8.0	4.0				
	106	0.05	0.6	20.0			✓		
	107	0.50	2.0	4.0			✓		
	108	0.05	0.6	20.0	1.2				
	109	0.05	0.4	6.0	3.0				
	110	0.05	1.0	16.0	8.0				
	111	0.05	0.6	9.0	4.5				
	112	0.20	1.1	6.0			✓		
	113	0.05	0.6	9.0	4.5				
	114	0.05	0.3	4.0	2.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-34. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.5	8.0			✓		
	116	0.05	0.4	7.0			✓		
	117	0.20	2.1	11.0			✓		
	118	0.05	0.4	7.0				✓	
	119	0.05	0.4	6.0	3.0				
	120	0.05	0.5	8.0	4.0				
	121	0.05	0.7	11.0	5.5				
	122	0.05	2.0	32.0	16.0				
	123	0.05	0.4	6.0	3.0				
	124	0.05	0.9	15.0	7.5				
	125	0.05	0.5	8.0	4.0				
	126	0.05	0.6	9.0	4.5				
	127	0.05	0.6	10.0			✓		
	128	0.05	0.6	9.0	4.5				
	129	0.05	1.1	18.0	9.0				
	130	0.05	0.3	5.0				✓	
	131	0.05	0.5	8.0	4.0				
	132	0.05	0.3	8.0			✓		
	133	0.05	1.3	21.0	11.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-34. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, HILLSDALE ROCK CO'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.20	1.1	5.7			✓		
	135	0.20	1.3	7.3			✓		
	136	0.10	1.1	8.5	34.0				
	137	0.05	0.4	6.0	3.0				
	138	0.05	0.6	10.0	5.0				
	139	0.05	0.3	8.0			✓		
	140	0.05	0.5	8.0			✓		
	141	0.05	0.4	7.0	3.5				
	142	0.05	0.6	9.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-35. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	1.1	17.0	8.5				
	2	0.05	0.9	14.0			✓		
	3	0.05	1.1	36.0			✓		
	4	0.05	0.4	7.0			✓		
	5	0.05	0.9	28.0	1.7				
	6	0.05	0.4	14.0			✓		
	7	0.05	0.5	8.0			✓		
	8	0.05	0.3	5.0			✓		
	9	0.05	1.1	17.0	8.5				
	10	0.05	0.3	10.0			✓		
	11	0.05	0.4	14.0			✓		
	12	0.05	1.4	22.0	11.0				
	13	0.05	0.5	16.0	1.0				
	14	0.05	2.4	38.0	19.0				
	15	0.05	0.7	11.0	5.5				
	16	0.05	0.6	10.0	5.0				
	17	0.05	0.6	9.0	4.5				
	18	0.05	1.4	23.0	12.0				
	19	0.05	0.6	9.0	4.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-35. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	2.0	32.0	16.0				
	21	0.20	2.1	11.0	150.0				
	22	0.05	0.7	11.0	5.5				
	23	0.05	0.8	12.0	6.0				
	24	0.05	0.6	20.0	1.2				
	25	0.05	0.3	5.0	2.5				
	26	0.20	2.3	12.0			✓		
	27	0.05	0.9	15.0			✓		
	28	0.05	0.6	20.0				✓	
	29	0.05	0.7	11.0	5.5				
	30	0.05	0.6	10.0	5.0				
	31	0.05	0.4	12.0	0.7				
	32	0.05	1.3	20.0	10.0				
	33	0.05	0.8	12.0			✓		
	34	0.05	0.6	10.0	5.0				
	35	0.05	0.6	9.0			✓		
	36	0.05	0.7	11.0	5.5				
	37	0.05	0.5	8.0	4.0				
	38	0.05	1.3	20.0	10.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-35. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.9	15.0	-		✓		
	40	0.05	0.6	10.0	5.0				
	41	0.05	0.7	11.0			✓		
	42	0.05	2.8	44.0	22.0				
	43	0.60	3.6	5.8			✓		
	44	0.05	0.8	12.0	6.0				
	45	0.05	0.4	12.0			✓		
	46	0.05	0.4	7.0	3.5				
	47	0.05	0.6	9.0	4.5				
	48	0.05	2.5	40.0	20.0				
	49	0.05	0.7	11.0			✓		
	50	0.05	1.9	31.0	16.0				
	51	0.05	0.6	10.0			✓		
	52	0.05	0.4	14.0	0.9				
	53	0.10	3.3	27.0	110.0				
	54	0.05	1.0	16.0	8.0				
	55	0.05	0.9	15.0	7.5				
	56	0.05	0.7	22.0	1.4				
2	57	0.10	1.2	9.5	38.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-35. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	1.1	18.0	9.0				
	59	0.05	0.3	10.0			✓		
	60	0.05	0.4	7.0	3.5				
	61	0.05	0.6	10.0	5.0				
	62	0.10	0.5	4.0	16.0				
	63	0.05	0.3	10.0	0.6				
	64	0.05	0.6	10.0	5.0				
	65	0.10	1.3	10.0			✓		
	66	0.05	0.7	11.0			✓		
	67	0.05	0.6	20.0	1.2				
	68	0.05	0.8	13.0	6.5				
	69	0.05	0.6	9.0	4.5				
	70	0.05	0.6	10.0	5.0				
	71	0.05	0.3	10.0			✓		
	72	0.05	0.9	15.0	7.5				
	73	0.05	1.1	36.0	2.2				
	74	0.05	0.6	9.0	4.5				
	75	0.05	0.8	12.0	6.0				
	76	0.05	0.6	10.0	5.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-35. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.9	15.0	7.5				
	78	0.10	1.9	15.0	60.0				
	79	0.05	1.3	20.0	10.0				
	80	0.05	0.4	12.0			✓		
	81	0.05	0.8	26.0			✓		
	82	0.05	0.4	14.0	0.9				
	83	0.05	0.4	7.0	3.5				
	84	0.05	0.3	5.0			✓		
	85	0.05	1.2	19.0			✓		
	86	0.05	0.9	15.0	7.5				
	87	0.05	0.7	11.0	5.5				
	88	0.05	1.1	34.0	2.1				
	89	0.05	0.5	8.0	4.0				
	90	0.05	0.8	13.0			✓		
	91	0.05	1.3	20.0			✓		
	92	0.05	0.9	15.0			✓		
	93	0.10	1.1	9.0			✓		
	94	0.05	1.3	21.0			✓		
	95	0.05	0.8	12.0	6.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-35. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	1.6	26.0	13.0				
	97	0.05	0.6	20.0	1.2				
	98	0.05	2.9	47.0	23.0				
	99	0.05	1.0	16.0	8.0				
	100	0.05	0.3	5.0			✓		
	101	0.05	0.6	10.0	5.0				
	102	0.05	0.7	11.0			✓		
	103	0.05	0.6	9.0	4.5				
	104	0.05	0.6	10.0	5.0				
	105	0.10	1.8	14.0	56.0				
	106	0.05	1.3	21.0	11.0				
	107	0.05	1.2	19.0	9.5				
	108	0.05	1.1	36.0	2.2				
	109	0.05	1.1	36.0			✓		
	110	0.20	1.2	6.3			✓		
	111	0.05	2.1	68.0			✓		
	112	0.05	1.3	20.0	10.0				
	113	0.05	1.6	50.0	3.1				
	114	0.05	1.1	18.0	9.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-35. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.3	10.0				✓	
	116	0.05	0.5	8.0			✓		
	117	0.05	1.2	19.0	9.5				
	118	0.05	1.3	21.0	11.0				
	119	0.05	0.6	10.0			✓		
	120	0.05	0.3	5.0			✓		
	121	0.05	0.6	10.0			✓		
	122	0.05	0.4	12.0				✓	
	123	0.05	0.7	11.0			✓		
	124	0.05	0.5	8.0	4.0				
	125	0.05	1.2	19.0			✓		
	126	0.05	0.4	6.0	3.0				
	127	0.05	0.6	18.0	1.1				
	128	0.05	0.9	15.0	7.5				
	129	0.05	0.8	26.0			✓		
	130	0.60	3.5	5.6			✓		
	131	0.10	0.9	7.0			✓		
	132	0.05	1.3	20.0			✓		
	133	0.05	0.7	11.0	5.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-35. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.6	10.0	5.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-36. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'s HILLSDALE QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.4	7.0	3.5				
	2	0.05	1.1	17.0			✓		
	3	0.05	0.4	7.0				✓	
	4	0.05	0.4	7.0			✓		
	5	0.05	0.7	11.0			✓		
	6	0.05	0.9	14.0	7.0				
	7	0.05	0.3	5.0			✓		
	8	0.20	1.1	5.7			✓		
	9	0.05	0.4	6.0	3.0				
	10	0.05	0.6	9.0			✓		
	11	0.05	0.7	11.0			✓		
	12	0.05	0.4	7.0	3.5				
	13	0.05	0.7	11.0	5.5				
	14	0.05	0.8	12.0			✓		
	15	0.05	0.6	9.0			✓		
	16	0.05	0.3	5.0			✓		
	17	0.05	0.3	5.0			✓		
	18	0.05	0.5	8.0			✓		
	19	0.05	0.4	6.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-36. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'s HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.4	7.0			✓		
	21	0.05	0.9	15.0	7.5				
	22	0.05	0.8	12.0			✓		
	23	0.05	0.6	10.0			✓		
	24	0.05	1.1	18.0			✓		
	25	0.25	1.3	5.0	160.0				
	26	0.05	0.6	10.0	5.0				
	27	0.05	0.5	8.0			✓		
	28	0.05	0.3	5.0			✓		
	29	0.05	0.5	8.0	4.0				
	30	0.05	0.9	14.0	7.0				
	31	0.05	0.5	8.0			✓		
	32	0.05	0.4	6.0			✓		
	33	0.05	0.4	7.0	3.5				
	34	0.05	0.4	7.0	3.5				
	35	0.05	0.6	9.0			✓		
	36	0.05	0.3	6.0	3.0				
	37	0.05	0.8	5.0			✓		
	38	0.05	0.3	13.0	6.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-36. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'s HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.3	5.0	2.5				
	40	0.05	0.5	4.0			✓		
	41	0.05	0.9	8.0			✓		
	42	0.05	5,8	5.0			✓		
	43	0.05	0.5	15.0	7.5				
	44	0.05	1.3	92.0	46.0				
	45	0.05	0.4	8.0	4.0				
	46	0.05	1.3	20.0	10.0				
	47	0.05	0.6	6.0	3.0				
	48	0.05	0.6	36.0	18.0				
	49	0.05	0.6	9.0	4.5				
	50	0.05	0.5	10.0	5.0				
	51	0.05	0.7	10.0	5.0				
	52	0.05	1.7	8.0			✓		
	53	0.05	0.7	11.0	5.5				
	54	0.05	1.7	27.0	14.0				
	55	0.10	0.4	3.0			✓		
	56	0.20	1.1	6.0			✓		
	57	0.05	0.4	6.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-36. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'s HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.4	6.0	3.0				
	59	0.05	0.4	6.0	3.0				
	60	0.05	4.2	67.0	33.0				
	61	0.05	0.6	10.0	5.0				
	62	0.05	1.0	16.0			✓		
	63	0.05	0.7	11.0			✓		
	64	0.05	0.4	6.0	3.0				
	65	0.05	0.4	7.0	3.5				
	66	0.05	2.5	40.0	20.0				
	67	0.05	0.5	8.0			✓		
	68	0.05	0.8	12.0	6.0				
	69	0.05	0.4	7.0	3.5				
	70	0.05	0.8	12.0	6.0				
	71	0.05	0.6	10.0	5.0				
	72	0.30	1.1	3.6			✓		
	73	0.25	1.3	5.0			✓		
	74	0.05	2.7	43.0	21.0				
	75	0.05	0.9	14.0	7.0				
	76	0.05	1.3	20.0	10.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-36. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'s HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.4	14.0					✓
	78	0.05	0.3	10.0			✓		
	79	0.05	0.7	11.0			✓		
	80	0.05	0.6	9.0			✓		
	81	0.05	1.1	17.0	8.5				
	82	0.05	1.5	24.0			✓		
	83	0.05	0.7	11.0	5.5				
	84	0.05	0.4	7.0	3.5				
	85	0.05	0.6	10.0	5.0				
	86	0.20	2.3	12.0	160.0				
	87	0.05	0.8	26.0	1.6				
	88	0.05	0.9	15.0	7.5				
	89	0.05	0.6	10.0	5.0				
	90	0.05	0.6	10.0			✓		
	91	0.05	0.3	10.0			✓		
	92	0.05	0.6	9.0	4.5				
	93	0.10	4.9	39.0	160.0				
	94	0.05	0.5	8.0	4.0				
	95	0.05	0.3	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-36. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'s HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	1.1	18.0			✓		
	97	0.05	1.3	21.0	11.0				
	98	0.05	0.6	18.0			✓		
	99	0.05	0.6	9.0	4.5				
	100	0.05	1.6	25.0	13.0				
	101	0.10	1.0	8.0			✓		
	102	0.05	1.3	21.0	11.0				
	103	0.05	0.5	8.0					✓
	104	0.05	1.2	19.0			✓		
	105	0.05	0.6	9.0			✓		
	106	0.05	1.0	16.0			✓		
	107	0.05	1.8	28.0			✓		
	108	0.05	1.4	22.0	11.0				
	109	0.05	0.9	15.0	7.5				
	110	0.05	0.5	8.0	4.0				
	111	0.05	5.1	82.0	41.0				
	112	0.05	1.4	22.0	11.0				
	113	0.05	0.3	10.0					✓
	114	0.05	0.5	8.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-36. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'s HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.4	6.0			✓		
	116	0.05	0.6	9.0			✓		
	117	0.05	0.7	11.0			✓		
	118	0.05	0.5	16.0	1.0				
	119	0.05	1.2	19.0	9.5				
	120	0.05	0.4	6.0	3.0				
	121	0.05	0.6	9.0	4.5				
	122	0.05	0.7	11.0	5.5				
	123	0.05	0.3	5.0	2.5				
	124	0.05	0.3	5.0			✓		
	125	0.05	0.8	13.0			✓		
	126	0.05	3.3	52.0	26.0				
	127	0.05	0.4	6.0	3.0				
	128	0.05	0.3	10.0					✓
	129	0.05	0.6	10.0			✓		
	130	0.05	1.1	18.0			✓		
	131	0.05	0.4	7.0	3.5				
	132	0.05	0.5	8.0			✓		
	133	0.05	0.6	9.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.3	5.0	2.5				
	2	0.05	0.4	7.0			✓		
	3	0.05	0.3	5.0			✓		
	4	0.05	0.6	9.0	4.5				
	5	0.05	0.7	11.0	5.5				
	6	0.05	0.4	6.0			✓		
	7	0.05	0.3	5.0				✓	
	8	0.05	0.3	10.0			✓		
	9	0.05	0.5	8.0	4.0				
	10	0.05	0.6	9.0			✓		
	11	0.05	0.3	5.0	2.5				
	12	0.30	1.6	5.0	310.0				
	13	0.05	0.3	5.0	2.5				
	14	0.05	0.4	6.0	3.0				
	15	0.05	0.3	5.0			✓		
	16	0.05	0.6	10.0	5.0				
	17	0.10	1.5	12.0			✓		
	18	0.05	0.4	7.0	3.5				
	19	0.05	1.1	19.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.6	9.0	4.5				
	21	0.05	0.5	8.0	4.0				
	22	0.05	0.4	7.0	3.5				
	23	0.05	0.8	13.0	6.5				
	24	0.05	0.4	12.0			✓		
	25	0.05	0.6	10.0	5.0				
	26	0.05	0.5	16.0	1.0				
	27	0.05	0.7	11.0			✓		
	28	0.05	0.4	7.0	3.5				
	29	0.10	0.7	5.5			✓		
	30	0.05	0.3	8.0				✓	
	31	0.05	0.5	16.0	1.0				
	32	0.10	1.7	14.0				✓	
	33	0.05	0.6	20.0				✓	
	34	0.05	0.8	26.0				✓	
	35	0.10	1.8	14.0			✓		
	36	0.05	0.9	30.0			✓		
	37	0.05	0.8	12.0			✓		
	38	0.10	1.4	11.0	44.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.5	8.0			✓		
	40	0.05	0.7	11.0	5.5				
	41	0.05	0.8	26.0			✓		
	42	0.10	0.5	4.0	16.0				
	43	0.05	0.4	7.0					✓
	44	0.10	0.9	7.0			✓		
	45	0.05	0.4	12.0			✓		
	46	0.10	0.6	5.0			✓		
	47	0.05	0.6	10.0			✓		
	48	0.05	0.4	7.0	3.5				
	49	0.05	0.7	11.0	5.5				
	50	0.05	0.8	13.0	6.5				
	51	0.05	0.6	9.0			✓		
	52	0.05	0.4	6.0			✓		
	53	0.10	0.4	3.5	14.0				
	54	0.05	1.1	19.0			✓		
	55	0.05	0.3	5.0					✓
	56	0.20	1.5	8.0	110.0				
	57	0.05	0.3	5.0					✓

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.4	6.0	3.0				
	59	0.05	0.3	4.0	2.0				
	60	0.05	0.5	8.0	4.0				
	61	0.05	0.5	8.0			✓		
	62	0.05	0.5	8.0			✓		
	63	0.05	0.4	6.0			✓		
	64	0.05	0.4	7.0			✓		
	65	0.05	0.4	7.0			✓		
	66	0.10	2.3	18.0	72.0				
	67	0.30	1.3	4.0	250.0				
	68	0.05	0.9	15.0	7.5				
	69	0.05	0.9	30.0			✓		
	70	0.05	0.9	14.0	7.0				
	71	0.05	0.6	10.0	5.0				
	72	0.05	0.6	10.0	5.0				
	73	0.05	0.6	10.0	5.0				
	74	0.05	0.4	7.0	3.5				
	75	0.05	0.8	12.0			✓		
	76	0.05	0.6	9.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.7	11.0	5.5				
	78	0.05	1.0	16.0	8.0				
	79	0.05	0.7	11.0	5.5				
	80	0.05	0.4	6.0	3.0				
	81	0.05	0.3	8.0			✓		
	82	0.05	0.4	14.0	0.9				
	83	0.05	0.6	20.0			✓		
	84	0.05	0.5	16.0			✓		
	85	0.05	0.3	4.0				✓	
	86	0.05	0.8	12.0			✓		
	87	0.10	0.6	5.0			✓		
	88	0.10	0.8	6.5	26.0				
	89	0.05	0.6	10.0	5.0				
	90	0.05	0.3	5.0			✓		
	91	0.05	0.7	11.0			✓		
	92	0.05	0.6	10.0			✓		
	93	0.05	0.4	6.0	3.0				
	94	0.05	0.4	7.0			✓		
	95	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.10	0.6	5.0	20.0				
	97	0.05	0.6	9.0	4.5				
	98	0.05	0.3	5.0	2.5				
	99	0.10	0.9	7.5	30.0				
	100	0.05	0.5	8.0	4.0				
	101	0.20	1.1	6.0	81.0				
	102	0.05	1.1	18.0			✓		
	103	0.05	0.4	7.0			✓		
	104	0.10	0.7	5.5	22.0				
	105	0.05	0.9	15.0	7.5				
	106	0.05	0.6	10.0			✓		
	107	0.05	0.5	8.0	4.0				
	108	0.05	0.4	7.0	3.5				
	109	0.05	0.4	14.0					✓
	110	0.05	0.7	11.0	5.5				
	111	0.10	0.9	7.5			✓		
	112	0.20	1.3	6.7			✓		
	113	0.05	0.4	6.0	3.0				
	114	0.05	0.3	5.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.9	14.0			✓		
	116	0.05	0.4	14.0			✓		
	117	0.05	0.5	16.0			✓		
	118	0.05	0.7	11.0					✓
	119	0.05	0.4	7.0	3.5				
	120	0.05	0.4	7.0	3.5				
	121	0.05	0.5	8.0	4.0				
	122	0.05	0.7	11.0			✓		
	123	0.05	0.6	10.0	5.0				
	124	0.05	0.6	9.0	4.5				
	125	0.10	0.7	5.5	22.0				
	126	0.05	0.6	10.0	5.0				
	127	0.10	1.3	10.0	40.0				
	128	0.05	0.9	15.0			✓		
	129	0.05	1.6	25.0	13.0				
	130	0.05	0.6	10.0	5.0				
	131	0.05	0.4	7.0			✓		
	132	0.05	0.8	12.0	6.0				
	133	0.05	0.4	6.0	3.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.6	10.0	5.0				
	135	0.05	0.4	6.0				✓	
	136	0.05	0.3	6.0	3.0				
	137	0.25	1.3	5.0			✓		
	138	0.05	1.3	21.0			✓		
	139	0.05	1.4	23.0	12.0				
	140	0.05	0.8	12.0	6.0				
	141	0.05	0.4	6.0	3.0				
	142	0.05	0.3	4.0	2.0				
	143	0.05	0.4	7.0	3.5				
	144	0.05	0.8	13.0	6.5				
	145	0.05	1.3	42.0	2.6				
	146	0.05	0.6	9.0	4.5				
	147	0.05	0.4	6.0			✓		
	148	0.20	1.9	10.0			✓		
	149	0.10	0.9	7.5			✓		
	150	0.05	0.6	10.0			✓		
	151	0.05	0.8	13.0	6.5				
	152	0.10	0.8	6.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	1.1	19.0	9.5				
	154	0.05	0.7	11.0	5.5				
	155	0.05	0.9	15.0	7.5				
	156	0.05	0.5	8.0	4.0				
	157	0.05	0.4	6.0			✓		
	158	0.05	0.5	8.0	4.0				
	159	0.05	0.6	10.0	5.0				
	160	0.05	1.6	21.0	11.0				
	161	0.05	0.4	6.0			✓		
	162	0.05	0.6	10.0	5.0				
	163	0.05	0.4	7.0	3.5				
	164	0.05	0.5	8.0			✓		
	165	0.20	1.6	8.3				✓	
	166	0.05	0.5	8.0	4.0				
	167	0.05	0.6	10.0	5.0				
	168	0.05	0.6	9.0	4.5				
	169	0.05	0.4	7.0	3.5				
	170	0.05	0.9	15.0	7.5				
	171	0.05	0.8	12.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	172	0.05	0.8	13.0			✓		
	173	0.05	0.9	15.0	7.5				
	174	0.05	2.3	36.0	18.0				
	175	0.05	2.0	32.0	16.0				
	176	0.20	1.3	7.0			✓		
	177	0.05	0.7	11.0	5.5				
	178	0.05	0.4	6.0			✓		
	179	0.05	0.6	9.0	4.5				
	180	0.05	0.5	8.0	4.0				
	181	0.10	1.1	9.0	36.0				
	182	0.05	1.0	16.0			✓		
	183	0.05	0.4	7.0			✓		
	184	0.05	0.7	11.0	5.5				
	185	0.30	2.4	6.3			✓		
	186	0.10	0.5	4.0	16.0				
	187	0.05	1.6	52.0	3.2				
	188	0.05	0.4	7.0	3.5				
	189	0.05	1.5	24.0	12.0				
	190	0.10	1.6	10.0	40.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	191	0.05	0.9	14.0	-	8.1			
	192	0.05	1.3	21.0	11.0				
	193	0.05	0.7	11.0			✓		
	194	0.05	0.6	9.0	4.5				
	195	0.05	0.8	12.0	6.0				
	196	0.05	0.3	10.0	0.6				
	197	0.05	0.4	14.0			✓		
	198	0.05	0.4	7.0	3.5				
	199	0.05	0.4	7.0	3.5				
	200	0.05	0.5	8.0	4.0				
	201	0.05	1.6	20.0			✓		
	202	0.05	1.4	22.0			✓		
	203	0.05	0.6	18.0			✓		
	204	0.05	2.3	36.0	18.0				
	205	0.05	0.4	6.0			✓		
	206	0.05	0.7	11.0	5.5				
	207	0.05	0.8	12.0			✓		
	208	0.10	1.4	11.0			✓		
	209	0.05	0.8	12.0	6.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	210	0.05	1.3	20.0			✓		
	211	0.20	1.4	7.7			✓		
	212	0.05	0.9	15.0	7.5				
	213	0.05	1.1	18.0	9.0				
	214	0.05	0.6	9.0	4.5				
	215	0.05	0.7	11.0	5.5				
	216	0.05	0.6	10.0			✓		
	217	0.05	0.4	6.0			✓		
	218	0.05	0.5	8.0			✓		
	219	0.05	0.6	10.0			✓		
	220	0.05	0.8	13.0	6.5				
	221	0.05	0.6	9.0	4.5				
	222	0.10	1.4	12.0	46.0				
	223	0.05	0.4	7.0			✓		
	224	0.05	0.6	9.0			✓		
	225	0.05	0.8	12.0			✓		
	226	0.25	1.4	5.5	180.0				
	227	0.10	1.0	8.0	32.0				
	228	0.05	0.8	12.0	6.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-37. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, HILLSDALE ROCK CO.'S HILLSDALE QUARRY (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	229	0.05	2.4	38.0			✓		
	230	0.05	0.3	5.0			✓		
	231	0.10	0.6	5.0	20.0				
	232	0.05	0.9	15.0	7.5				
	233	0.05	0.6	10.0			✓		
	234	0.05	0.5	8.0	4.0				
	235	0.05	1.3	21.0			✓		
	236	0.05	0.4	7.0	3.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-38. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	1.2	19.0			✓		
	2	0.05	6.1	98.0	49.0				
	3	0.05	0.6	10.0			✓		
	4	0.05	0.5	8.0	4.0				
	5	0.05	0.4	6.0	3.0				
	6	0.05	0.6	10.0			✓		
	7	0.05	9.4	150.0	75.0				
	8	0.25	2.6	11.0	340.0				
	9	0.05	1.3	20.0	10.0				
	10	0.10	2.5	20.0			✓		
	11	0.05	0.8	13.0			✓		
	12	0.05	0.6	10.0			✓		
	13	0.05	2.3	37.0	18.0				
2	14	0.05	2.2	35.0			✓		
	15	0.05	6.6	100.0	52.0				
	16	0.05	0.8	13.0			✓		
	17	0.05	3.0	48.0	24.0				
	18	0.05	32.0	500.0	250.0				
	19	0.05	1.4	23.0	12.0				
	20	0.05	2.1	33.0	17.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-38. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15}g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	21	0.05	0.6	10.0			✓		
	22	0.05	1.6	25.0	12.0				
	23	0.05	1.3	20.0	10.0				
	24	0.05	2.4	38.0	19.0				
	25	0.05	1.1	18.0	9.0				
	26	0.05	0.8	13.0	6.5				
	27	0.05	0.8	12.0	6.0				
	28	0.05	1.6	26.0			✓		
	29	0.05	1.0	16.0	8.0				
	30	0.05	4.9	78.0	39.0				
	31	0.05	0.5	8.0	4.0				
	32	0.05	1.9	30.0	15.0				
	33	0.05	14.5	460.0			✓		
	34	0.05	1.3	20.0	10.0				
	35	0.05	0.6	10.0			✓		
	36	0.06	2.6	42.0	21.0				
	37	0.05	0.6	10.0			✓		
	38	0.10	1.7	14.0	54.0				
	39	0.05	0.9	14.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-38. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	40	0.05	2.0	32.0			✓		
	41	0.05	1.3	20.0			✓		
	42	0.10	0.6	5.0	20.0				
	43	0.05	7.7	122.0	61.0				
	44	0.05	18.0	285.0	140.0				
	45	0.05	3.6	58.0			✓		
	46	0.05	1.3	20.0			✓		
	47	0.05	2.6	41.0	20.0				
	48	0.05	10.0	320.0	20.0				
	49	0.05	4.1	130.0			✓		
	50	0.05	4.7	75.0			✓		
	51	0.05	1.1	18.0			✓		
	52	0.05	1.6	50.0			✓		
	53	0.05	0.5	8.0			✓		
	54	0.05	5.3	170.0	11.0				
	55	0.05	0.9	15.0	7.5				
	56	0.05	2.3	36.0	18.0				
	57	0.05	7.6	120.0	60.0				
	58	0.05	3.6	58.0	29.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-38. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	59	0.05	5.0	80.0	-			✓	
	60	0.05	7.1	112.0	61.0				
	61	0.05	2.7	43.0			✓		
	62	0.05	7.4	118.0	59.0				
	63	0.10	1.3	11.0	42.0				
	64	0.05	1.3	40.0			✓		
	65	0.05	3.9	63.0	31.0				
	66	0.05	1.9	31.0	16.0				
	67	0.05	2.8	44.0	22.0				
	68	0.05	3.4	55.0	27.0				
	69	0.05	0.8	13.0			✓		
	70	0.05	1.0	16.0			✓		
	71	0.05	0.6	10.0			✓		
	72	0.10	0.8	6.0			✓		
	73	0.05	0.8	12.0			✓		
	74	0.05	1.1	18.0	9.0				
	75	0.05	4.4	70.0	35.0				
	76	0.05	1.9	30.0			✓		
	77	0.05	1.3	20.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-38. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	78	0.05	1.7	27.0	14.0				
3	79	0.05	0.8	12.0	6.0				
	80	0.05	0.9	15.0			✓		
	81	0.05	5.8	92.0				✓	
	82	0.10	0.4	3.5				✓	
	83	0.05	2.1	33.0			✓		
	84	0.05	0.9	15.0	7.5				
	85	0.05	3.1	50.0	25.0				
	86	0.05	1.3	21.0	11.0				
	87	0.05	0.6	10.0	5.0				
	88	0.05	2.1	33.0	16.0				
	89	0.05	1.1	18.0			✓		
	90	0.05	0.6	9.0	4.5				
	91	0.05	2.3	36.0				✓	
	92	0.05	2.8	45.0	22.0				
	93	0.05	0.6	10.0			✓		
	94	0.05	1.2	19.0			✓		
	95	0.05	0.9	15.0			✓		
	96	0.06	0.7	11.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-38. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	97	0.05	7.0	110.0				✓	
	98	0.05	1.3	21.0				✓	
	99	0.05	0.8	12.0			✓		
	100	0.05	1.3	10.0				✓	
	101	0.05	0.5	8.0			✓		
	102	0.05	1.8	28.0	14.0				
	103	0.05	1.7	27.0	14.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-39. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.6	9.0		4.5			
	2	0.05	2.6	82.0	5.1				
	3	0.05	1.8	56.0	3.5				
	4	0.05	2.2	35.0	17.0				
	5	0.05	0.7	11.0					✓
	6	0.05	0.6	20.0	1.2				
	7	0.05	0.3	5.0			✓		
	8	0.05	0.3	8.0	0.5				
	9	0.05	0.2	6.0	0.4				
	10	0.05	0.6	10.0	5.0				
	11	0.10	0.8	8.7	15.0				
	12	0.05	0.3	10.0	0.6				
	13	0.05	12.9	190.0	95.0				
	14	0.15	1.1	7.2	56.0				
	15	0.05	1.2	19.0	9.5				
	16	0.10	0.4	3.0		12.0			
	17	0.05	5.0	80.0	40.0				
	18	0.05	0.5	8.0	4.0				
	19	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-39. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	1.6	25.0	13.0				
	21	0.05	1.4	46.0	2.9				
	22	0.05	0.6	20.0	1.2				
	23	0.05	1.3	20.0	10.0				
	24	0.10	3.8	30.0	120.0				
	25	0.05	0.3	10.0	0.6				
	26	0.05	0.8	12.0	6.0				
	27	0.05	1.8	56.0	3.5				
	28	0.05	0.6	9.0	4.5				
	29	0.05	0.9	30.0	1.9				
	30	0.05	0.6	20.0	1.2				
	31	0.10	1.0	13.0	12.0				
	32	0.05	3.1	50.0	25.0				
2	33	0.05	0.6	20.0	1.2				
	34	0.05	0.4	14.0			✓		
	35	0.05	1.1	17.0	8.5				
	36	0.05	0.5	8.0	4.0				
	37	0.05	0.4	6.0	3.0				
	38	0.05	0.6	9.0	4.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-39. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	1.0	16.0	-				✓
	40	0.05	1.9	20.0			✓		
	41	0.05	0.3	10.0	0.6				
	42	0.05	0.3	5.0	2.5				
	43	0.05	5.0	80.0	40.0				
	44	0.05	1.0	32.0	2.0				
	45	0.15	2.9	18.0	140.0				
	46	0.05	0.5	8.0	4.0				
	47	0.05	0.3	3.0	1.5				
	48	0.25	1.0	4.0		130.0			
	49	0.10	0.7	7.3	12.0				
	50	0.05	0.6	10.0	5.0				
	51	0.05	1.3	40.0	2.5				
	52	0.05	0.6	20.0	1.2				
	53	0.10	0.6	4.5			✓		
	54	0.05	0.8	24.0	1.5				
	55	0.05	1.1	34.0	2.1				
	56	0.05	0.6	10.0	5.0				
	57	0.05	0.8	24.0	1.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-39. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.8	24.0	1.5				
	59	0.05	0.4	12.0	0.7				
	60	0.05	0.7	11.0	5.5				
	61	0.05	0.9	12.0	6.0				
	62	0.15	0.8	4.8	37.0				
	63	0.05	0.4	14.0	0.9				
	64	0.10	1.1	12.0	20.0				
	65	0.10	0.7	9.2	7.9				
	66	0.05	0.4	6.0	3.0				
	67	0.05	0.6	10.0	5.0				
	68	0.05	1.0	16.0			✓		
	69	0.05	2.9	94.0	5.9				
	70	0.05	0.3	5.5	2.7				
	71	0.05	1.3	42.0	2.6				
3	72	0.05	0.9	14.0	7.0				
	73	0.05	0.9	28.0	1.7				
	74	0.05	0.4	12.0	0.7				
	75	0.05	0.4	14.0	0.9				
	76	0.05	1.2	19.0	9.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-39. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	7.5	120.0	60.0				
	78	0.05	2.8	45.0	22.0				
	79	0.05	1.3	42.0	2.6				
	80	0.30	1.3	4.0			✓		
	81	0.05	0.3	10.0	0.6				
	82	0.05	0.4	12.0	0.7				
	83	0.05	0.6	9.0	4.5				
	84	0.05	0.4	14.0	0.9				
	85	0.05	0.4	12.0	0.7				
	86	0.05	0.5	16.0	1.0				
	87	0.05	1.4	23.0	12.0				
	88	0.05	0.4	12.0	0.7				
	89	0.05	0.4	7.0	3.5				
	90	0.10	0.7	5.5	22.0				
	91	0.05	1.1	18.0	9.0				
	92	0.05	0.6	10.0	5.0				
	93	0.05	0.9	15.0	7.5				
	94	0.05	0.3	5.0	2.5				
	95	0.05	0.5	16.0	1.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-39. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.2	6.0	0.4				
	97	0.05	1.3	42.0	2.6				
	98	0.10	0.9	10.0		17.0			
	99	0.05	2.1	34.0	17.0				
	100	0.05	5.3	85.0	42.0				
	101	0.05	3.8	60.0	30.0				
	102	0.05	12.5	200.0	100.0				
	103	0.15	1.3	8.0	62.0				
	104	0.05	0.8	13.0	6.5				
	105	0.05	0.4	6.0	3.0				
	106	0.05	0.6	10.0	5.0				
	107	0.05	0.3	10.0	0.6				
	108	0.05	0.8	12.0	6.0				
	109	0.05	1.3	21.0	11.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-40. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	1.6	25.0			✓		
	2	0.10	0.4	3.5	14.0				✓
	3	0.05	0.3	5.0					
	4	0.05	1.9	30.0	15.0				
	5	0.05	1.0	16.0	8.0				✓
	6	0.05	1.6	52.0			✓		
	7	0.05	0.6	9.0			✓		
	8	0.05	2.0	64.0			✓		
	9	0.05	0.6	10.0			✓		
	10	0.20	2.1	11.0			✓		
	11	0.05	0.4	7.0				✓	
	12	0.05	0.4	6.0					
	13	0.05	0.9	15.0	7.5				
	14	0.05	2.3	36.0	18.0				
	15	0.05	2.7	43.0	21.0				✓
	16	0.05	1.6	26.0					
	17	0.10	1.8	14.0	56.0				
	18	0.10	1.6	13.0	50.0		✓		
	19	0.05	0.9	28.0					

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-40. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.4	7.0	3.5				
	21	0.05	0.7	11.0			✓		
	22	0.05	0.8	24.0			✓		
	23	0.05	0.3	10.0			✓		
	24	0.05	0.4	6.0				✓	
	25	0.05	1.5	24.0	12.0				
	26	0.05	1.3	20.0			✓		
	27	0.05	1.3	21.0	11.0				
	28	0.05	0.6	10.0	5.0				
	29	0.05	5.9	95.0	47.0				
	30	0.10	2.1	17.0	68.0				
	31	0.05	0.8	13.0			✓		
	32	0.30	8.9	28.0	1800.0				
	33	0.20	2.5	13.0	180.0				
	34	0.05	7.4	120.0	59.0				
	35	0.05	0.9	15.0	7.5				
	36	0.05	0.6	20.0					✓
	37	0.05	6.3	100.0			✓		
	38	0.05	0.5	8.0	4.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-40. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	1.3	21.0	11.0				
	40	0.10	2.6	20.0	82.0				
	41	0.10	0.5	4.0	16.0				
2	42	0.05	1.3	42.0			✓		
	43	0.20	1.6	9.0	120.0				
	44	0.05	0.8	26.0	1.6				
	45	0.05	0.8	12.0	6.0				
	46	0.05	1.4	22.0	11.0				
	47	0.05	3.9	63.0	31.0				
	48	0.05	0.5	8.0			✓		
	49	0.05	0.7	11.0	5.5				
	50	0.10	0.6	5.0	20.0				
	51	0.05	1.3	20.0			✓		
	52	0.05	0.5	8.0			✓		
	53	0.05	3.1	50.0					✓
	54	0.05	1.1	17.0			✓		
	55	0.05	0.8	12.0	6.0				
	56	0.05	0.7	11.0	5.5				
	57	0.05	1.3	21.0	11.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-40. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	1.7	27.0	14.0				
	59	0.05	2.0	64.0	4.0				
	60	0.05	9.9	160.0	79.0				
	61	0.20	2.7	14.0	190.0				
	62	0.05	0.8	26.0			✓		
	63	0.05	0.9	15.0			✓		
	64	0.05	0.8	12.0			✓		
	65	0.10	2.3	18.0	72.0				
	66	0.05	1.0	16.0	8.0				
	67	0.05	3.3	100.0	6.6				
	68	0.05	0.4	7.0					✓
	69	0.05	2.2	35.0	17.0				
	70	0.05	0.6	10.0	5.0				
	71	0.05	1.8	28.0	14.0				
	72	0.05	0.7	11.0	5.5				
	73	0.05	2.8	88.0	5.5				
	74	0.05	0.8	12.0	6.0				
	75	0.05	2.3	37.0	18.0				
	76	0.20	0.8	6.5				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-40. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.9	30.0			✓		
	78	0.05	3.0	130.0	7.9				
	79	0.05	2.2	35.0	17.0				
	80	0.05	1.3	20.0			✓		
	81	0.05	1.6	25.0	13.0				
	82	0.05	1.7	27.0	1.40				
	83	0.05	1.5	24.0	12.0				
	84	0.05	1.6	26.0			✓		
	85	0.05	1.2	19.0	9.5				
	86	0.05	1.1	17.0	8.5				
	87	0.05	3.6	58.0	29.0				
	88	0.05	2.3	74.0	4.6				
	89	0.05	1.4	22.0			✓		
	90	0.10	0.9	7.5	30.0				
3	91	0.05	1.3	40.0	2.5				
	92	0.05	7.2	230.0					✓
	93	0.05	0.9	15.0	7.5				
	94	0.05	0.6	10.0	5.0				
	95	0.05	0.7	11.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-40. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	1.6	25.0	13.0				
	97	0.05	1.9	31.0	16.0				
	98	0.05	0.6	10.0	5.0				
	99	0.05	0.8	13.0	6.5				
	100	0.05	2.2	35.0	17.0				
	101	0.05	0.9	15.0	7.5				
	102	0.10	2.0	16.0	64.0				
	103	0.05	0.6	10.0	5.0				
	104	0.05	1.3	20.0	10.0				
	105	0.05	0.3	5.0					✓
	106	0.05	0.4	7.0	3.5				
	107	0.05	0.8	12.0	6.0				
	108	0.05	0.3	10.0					✓
	109	0.05	2.9	46.0	23.0				
	110	0.05	0.6	10.0				✓	
	111	0.05	0.7	22.0	1.4				
	112	0.05	3.9	63.0	31.0				
	113	0.05	0.8	12.0	6.0				
	114	0.05	1.5	24.0	12.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-40. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	1.0	32.0	2.0				
	116	0.05	0.7	11.0	5.5				
	117	0.05	1.1	36.0			✓		
	118	0.05	8.3	130.0	66.0				
	119	0.05	0.6	18.0					✓
	120	0.05	3.7	59.0	29.0				
	121	0.05	0.6	10.0			✓		
	122	0.05	1.3	40.0			✓		
	123	0.05	1.8	28.0	14.0				
	124	0.05	1.6	25.0	13.0				
	125	0.20	1.3	7.0				✓	
	126	0.05	0.9	30.0					✓
	127	0.05	1.4	22.0	11.0				
	128	0.05	0.9	14.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-41. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.4	12.0			✓		
	2	0.05	1.3	20.0					✓
	3	0.05	0.6	9.0	4.5				
	4	0.05	0.4	7.0	3.5				
	5	0.05	0.6	20.0			✓		
	6	0.05	0.9	28.0	1.7				
	7	0.05	0.4	7.0			✓		
	8	0.05	0.8	26.0	1.6				
	9	0.05	0.6	10.0	5.0				
	10	0.05	0.8	24.0	1.5				
	11	0.05	1.1	36.0	2.2				
	12	0.10	0.4	3.0	12.0				
	13	0.05	0.4	7.0	3.5				
	14	0.10	13.4	108.0	430.0				
	15	0.05	17.3	276.0	138.0				
	16	0.05	1.4	44.0			✓		
	17	0.20	0.9	5.0	67.0				
	18	0.05	2.4	78.0	4.9				
	19	0.10	0.8	6.5			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-41. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	2.8	45.0	22.0				
	21	0.05	0.5	8.0			✓		
	22	0.05	0.9	14.0					✓
	23	0.05	0.7	11.0	5.5				
	24	0.05	0.5	8.0	4.0				
	25	0.05	2.9	47.0	23.0				
	26	0.05	0.6	10.0			✓		
	27	0.05	1.9	60.0	3.7				
	28	0.05	1.3	40.0			✓		
	29	0.05	0.7	22.0			✓		
	30	0.05	0.6	20.0			✓		
	31	0.05	0.9	15.0	7.5				
	32	0.05	1.1	18.0	9.0				
	33	0.05	0.7	22.0			✓		
	34	0.05	0.5	8.0	4.0				
	35	0.05	1.5	24.0	12.0				
	36	0.05	1.8	56.0	3.5				
	37	0.05	0.6	20.0	1.2				
	38	0.05	1.1	17.0	8.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-41. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.10	0.9	7.5	30.0				
	40	0.05	1.3	40.0	2.5				
	41	0.05	0.3	5.0	2.5				
	42	0.05	1.1	17.0			✓		
	43	0.05	0.6	9.0	4.5				
	44	0.05	4.3	68.0	34.0				
	45	0.05	1.3	20.0			✓		
	46	0.05	2.1	34.0	17.0				
	47	0.05	0.5	8.0					✓
	48	0.05	0.8	12.0	6.0				
	49	0.05	4.7	75.0	37.0				
	50	0.05	1.1	18.0			✓		
	51	0.30	2.6	10.0			✓		
	52	0.05	1.1	18.0			✓		
	53	0.05	4.9	160.0			✓		
	54	0.05	5.0	80.0	40.0				
	55	0.05	0.5	8.0			✓		
	56	0.05	1.3	20.0	10.0				
	57	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-41. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	1.3	21.0	10.0				
	59	0.05	0.9	15.0			✓		
	60	0.05	0.8	13.0				✓	
	61	0.05	0.8	24.0					✓
	62	0.05	1.4	22.0	11.0				
	63	0.05	0.6	10.0	5.0				
	64	0.05	2.8	45.0	22.0				
	65	0.05	0.7	11.0	5.5				
	66	0.05	1.1	17.0			✓		
	67	0.05	0.4	7.0			✓		
	68	0.05	1.9	30.0	15.0				
	69	0.10	0.6	5.0			✓		
	70	0.05	0.5	16.0					✓
	71	0.05	13.4	215.0	110.0				
	72	0.05	1.6	25.0	13.0				
	73	0.05	0.4	7.0			✓		
	74	0.05	1.3	21.0			✓		
	75	0.05	0.8	12.0			✓		
	76	0.05	0.6	18.0	1.1				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-41. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	2.1	34.0	17.0				
	78	0.05	0.8	12.0			✓		
	79	0.05	1.1	36.0			✓		
	80	0.05	0.8	12.0	6.0				
	81	0.05	0.4	6.0	3.0				
	82	0.05	6.8	108.0	54.0				
	83	0.05	6.3	200.0	13.0				
	84	0.05	0.4	7.0	3.5				
	85	0.05	0.9	15.0	7.5				✓
	86	0.05	0.8	24.0					
	87	0.05	2.3	74.0	4.6				
	88	0.05	7.3	234.0	15.0				
	89	0.05	1.2	38.0	2.4				
	90	0.05	1.1	34.0			✓		
	91	0.05	1.4	44.0			✓		
	92	0.05	1.5	48.0			✓		
	93	0.05	1.3	20.0			✓		
	94	0.05	3.4	55.0	27.0				
	95	0.05	0.5	8.0	4.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-41. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	8.4	270.0	17.0				
	97	0.05	3.9	63.0	31.0				
	98	0.05	0.5	8.0	4.0				
	99	0.05	4.2	67.0	33.0				
	100	0.10	2.8	23.0	90.0				
	101	0.05	4.5	140.0	9.0				
	102	0.05	0.6	20.0	1.2				
	103	0.05	1.3	40.0	2.5				
	104	0.05	1.2	19.0	9.5				
	105	0.05	0.7	11.0			✓		
	106	0.05	8.8	280.0			✓		
	107	0.05	0.9	30.0			✓		
	108	0.05	0.3	5.0	2.5				
	109	0.05	4.9	78.0	39.0				
	110	0.05	4.5	72.0			✓		
	111	0.05	0.6	10.0			✓		
	112	0.05	2.4	76.0			✓		
	113	0.05	1.7	54.0			✓		
	114	0.05	1.7	27.0	14.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-41. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.7	11.0	5.5				
	116	0.05	2.0	64.0			✓		
	117	0.05	0.9	14.0			✓		
	118	0.05	0.8	26.0	1.6				
	119	0.05	1.1	36.0			✓		
	120	0.05	1.3	42.0	2.6				
	121	0.05	0.8	24.0	1.5				
	122	0.05	0.6	10.0	5.0				
	123	0.05	0.4	12.0			✓		
	124	0.05	2.6	84.0	5.2				
	125	0.05	13.3	213.0	110.0				
	126	0.05	0.7	11.0	5.5				
	127	0.05	1.8	28.0	14.0				
	128	0.05	1.6	25.0	13.0				
	129	0.05	1.3	21.0	10.0				
	130	0.05	0.6	10.0			✓		
	131	0.10	0.6	4.5	18.0				
	132	0.05	2.5	40.0	20.0				
	133	0.05	0.8	12.0	6.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-41. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	2.3	37.0	18.0				
	135	0.05	5.0	80.0	40.0				
	136	0.05	16.6	530.0	33.0				
	137	0.05	0.4	7.0			✓		
	138	0.05	0.4	6.0			✓		
	139	0.05	3.1	50.0	25.0				
	140	0.05	0.7	22.0	1.4				
	141	0.05	1.6	52.0	3.2				
	142	0.05	0.8	13.0	6.5				
	143	0.05	4.7	75.0	37.0				
	144	0.05	2.7	86.0	5.4				
	145	0.05	14.6	466.0	29.0				
	146	0.05	1.9	31.0			✓		
	147	0.05	1.6	50.0	3.1				
	148	0.05	1.3	20.0			✓		
	149	0.05	11.7	187.0	93.0				
	150	0.05	13.9	444.0	28.0				
	151	0.05	1.0	16.0	8.0				
	152	0.05	0.8	13.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-41. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	1.4	22.0	11.0				
	154	0.05	5.3	84.0	42.0				
	155	0.05	0.3	5.0			✓		
	156	0.05	1.3	42.0	2.6				
	157	0.05	0.8	26.0	1.6				
	158	0.05	1.6	26.0	13.0				
	159	0.05	0.5	8.0			✓		
	160	0.05	0.6	20.0			✓		
	161	0.05	0.6	20.0			✓		
	162	0.05	1.3	21.0	10.0				
	163	0.05	4.4	140.0			✓		
	164	0.20	1.3	7.0		110.0			
	165	0.05	12.0	184.0	92.0				
	166	0.05	0.3	5.0	2.5				
	167	0.05	1.1	18.0	9.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-42. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.7	11.0	5.5				
	2	0.05	0.3	8.0	0.5				
	3	0.05	0.9	15.0	7.5				
	4	0.05	0.4	6.0			✓		
	5	0.05	4.1	65.0	32.0				
	6	0.05	0.7	11.0			✓		
	7	0.10	0.4	3.0				✓	
	8	0.05	0.4	7.0				✓	
	9	0.05	0.5	8.0					✓
	10	0.05	0.4	12.0			✓		
	11	0.05	0.6	10.0			✓		
	12	0.05	0.4	7.0			✓		
	13	0.05	0.6	10.0			✓		
	14	0.05	0.4	6.0					
	15	0.10	0.8	6.5	26.0				
	16	0.05	2.8	45.0	22.0				
	17	0.05	0.6	9.0			✓		
	18	0.05	2.9	46.0			✓		
	19	0.05	1.9	31.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-42. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	1.9	30.0	-		✓		
	21	0.05	0.8	13.0	6.5				
	22	0.05	0.9	15.0	7.5				
	23	0.05	1.6	26.0			✓		
	24	0.05	0.8	12.0			✓		
	25	0.05	4.9	160.0	9.7				
	26	0.05	0.5	15.0	7.5				
	27	0.05	0.5	8.0			✓		
	28	0.05	0.8	26.0	1.6				
	29	0.05	6.4	100.0	51.0				
	30	0.05	0.4	7.0					✓
	31	0.05	0.8	13.0	6.5				
	32	0.20	0.8	4.0	54.0				
	33	0.05	0.4	7.0			✓		
	34	0.05	0.6	18.0			✓		
	35	0.05	0.4	6.0	3.0				
	36	0.05	0.4	7.0			✓		
	37	0.05	0.6	9.0			✓		
	38	0.05	0.6	20.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-42. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.7	11.0	5.5				
	40	0.05	1.8	29.0	15.0				
	41	0.05	1.5	24.0			✓		
	42	0.05	1.9	60.0			✓		
	43	0.05	1.3	40.0	2.5				
	44	0.10	1.0	8.0			✓		
	45	0.10	1.5	12.0			✓		
	46	0.05	0.7	13.0				✓	
	47	0.05	0.7	11.0	5.5				
	48	0.05	0.3	5.0	2.5				
	49	0.05	0.5	8.0	4.0				
	50	0.05	1.9	60.0	3.7				
	51	0.05	5.4	170.0	11.0				
	52	0.05	0.3	6.0			✓		
	53	0.25	2.0	8.0			✓		
	54	0.05	0.8	12.0				✓	
	55	0.10	1.5	12.0	48.0				
	56	0.05	0.5	8.0	4.0				
	57	0.05	1.9	30.0					✓

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-42. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.3	5.0	-				✓
	59	0.05	1.6	25.0	13.0				
	60	0.05	0.7	11.0	5.5				
	61	0.05	11.0	180.0	91.0				
	62	0.05	1.4	23.0	12.0				
	63	0.05	0.6	10.0			✓		
	64	0.05	0.4	64.0	32.0				
	65	0.05	1.3	20.0			✓		
	66	0.05	1.0	16.0	8.0				
	67	0.05	0.4	7.0	3.5				
	68	0.05	1.1	18.0	9.0				
	69	0.05	7.8	250.0	16.0				
	70	0.05	1.2	19.0	9.5				
	71	0.05	0.4	6.0	3.0				
	72	0.05	2.3	37.0	18.0				
	73	0.05	0.5	16.0			✓		
	74	0.05	0.7	11.0	5.5				
	75	0.05	1.3	42.0			✓		
	76	0.05	0.9	15.0	7.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-42. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.6	10.0			✓		
	78	0.10	0.6	5.0	20.0				
	79	0.05	0.9	30.0					
	80	0.05	2.4	39.0	19.0				
	81	0.05	0.9	15.0	7.5				
	82	0.05	0.7	11.0	5.5				
	83	0.05	3.6	120.0	7.2				
	84	0.05	0.4	6.0	3.0				
	85	0.05	0.5	16.0	1.0				
	86	0.05	0.9	30.0	1.9				
	87	0.05	0.6	18.0	1.1				
	88	0.05	0.9	28.0	1.7				
	89	0.05	0.6	18.0	1.1				
	90	0.05	0.6	20.0	1.2				
	91	0.05	1.3	20.0	10.0				
	92	0.05	0.4	14.0					✓
	93	0.05	0.7	11.0				✓	
	94	0.05	0.5	8.0				✓	
	95	0.05	0.4	6.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-42. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.5	5.0			✓		
	97	0.05	5.6	180.0					✓
	98	0.05	0.6	10.0	5.0				
	99	0.05	0.9	14.0	7.0				
	100	0.05	0.6	10.0			✓		
	101	0.05	3.1	49.0	24.0				
	102	0.05	0.6	10.0	5.0				
	103	0.05	0.6	10.0	5.0				
	104	0.05	2.3	36.0	18.0				
	105	0.05	1.0	16.0	8.0				
	106	0.05	1.9	62.0	3.9				
	107	0.05	0.3	5.0	2.5				
	108	0.05	0.9	15.0			✓		
	109	0.05	8.3	270.0	17.0				
	110	0.05	1.5	48.0	3.0				
	111	0.05	5.1	82.0	41.0				
	112	0.05	2.2	35.0	17.0				
	113	0.05	0.3	10.0	0.6				
	114	0.05	5.7	180.0	11.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-42. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	1.3	21.0	11,0				
	116	0.05	0.9	15.0	7.5				
	117	0.05	1.9	30.0	15.0				
	118	0.10	0.7	6.5	26.0				
	119	0.05	0.9	15.0			✓		
	120	0.05	0.8	12.0	6.0				
	121	0.05	1.6	25.0	13.0				
	122	0.05	1.4	22.0	11.0				
	123	0.05	0.6	10.0			✓		
	124	0.05	0.6	10.0			✓		
	125	0.05	2.6	42.0			✓		
	126	0.05	1.1	36.0	2.2				
	127	0.05	0.4	14.0			✓		
	128	0.05	1.0	16.0	8.0				
	129	0.05	0.3	5.0			✓		
	130	0.05	0.6	18.0			✓		
	131	0.05	1.3	20.0	10.0				
	132	0.05	1.3	21.0	11.0				
	133	0.10	1.6	13.0	52.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-42. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	1.7	54.0			✓		
	135	0.05	0.9	15.0	7.5				
	136	0.05	1.1	36.0			✓		
	137	0.05	0.4	6.0			✓		
	138	0.05	3.1	50.0	35.0				
	139	0.05	0.6	18.0			✓		
	140	0.05	2.1	34.0	17.0				
	141	0.05	1.4	22.0	11.0				
	142	0.05	0.5	8.0	4.0				
	143	0.05	0.7	13.0				✓	
	144	0.05	1.8	56.0				✓	
	145	0.05	2.4	39.0	19.0				
	146	0.05	1.1	17.0			✓		
	147	0.05	6.6	110.0	52.0				
	148	0.05	2.9	47.0	23.0				
	149	0.05	0.4	7.0			✓		
	150	0.05	0.7	13.0			✓		
	151	0.05	0.7	13.0	6.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-43. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	5.0	80.0	40.0				
	2	0.05	4.7	75.0			✓		
	3	0.05	0.9	15.0			✓		
	4	0.05	1.3	21.0			✓		
	5	0.05	0.8	12.0			✓		
	6	0.05	1.7	27.0			✓		
	7	0.05	3.6	58.0			✓		
	8	0.05	1.0	16.0			✓		
	9	0.05	2.2	35.0			✓		
	10	0.05	0.8	12.0			✓		
	11	0.05	8.5	140.0	67.0				
	12	0.05	2.6	42.0	21.0				
	13	0.05	1.3	20.0	10.0				
	14	0.05	8.4	130.0	67.0				
	15	0.05	0.4	14.0			✓		
	16	0.05	0.5	8.0			✓		
	17	0.05	1.0	16.0			✓		
	18	0.05	0.9	15.0	7.5				
	19	0.05	3.7	59.0	29.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-42. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.8	13.0	6.5				
	21	0.05	5.9	95.0	47.0				
	22	0.05	0.6	9.0	4.5				
	23	0.05	1.3	20.0	10.0				
	24	0.05	0.7	11.0	5.5				
	25	0.05	3.3	52.0			✓		
	26	0.05	2.8	44.0	22.0				
	27	0.20	1.2	6.3	85.0				
	28	0.20	1.8	9.3			✓		
	29	0.05	0.6	9.0			✓		
	30	0.05	2.2	35.0			✓		
	31	0.05	1.4	23.0	12.0				
	32	0.05	0.4	7.0			✓		
	33	0.05	1.3	42.0			✓		
	34	0.05	0.7	11.0			✓		
	35	0.06	1.6	25.0			✓		
	36	0.05	13.0	210.0	100.0				
	37	0.05	0.6	9.0			✓		
	38	0.05	1.0	16.0	8.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-43. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.4	14.0			✓		
	40	0.05	0.6	10.0			✓		
	41	0.05	1.6	25.0			✓		
	42	0.05	0.9	15.0			✓		
	43	0.05	1.8	28.0			✓		
	44	0.05	1.9	30.0	15.0				
	45	0.05	12.0	190.0	96.0				
	46	0.05	4.2	67.0	33.0				
	47	0.05	1.3	20.0	10.0				
	48	0.05	7.7	120.0	61.0				
	49	0.05	4.8	76.0	38.0				
	50	0.05	1.4	22.0			✓		
	51	0.05	3.6	120.0	7.2				
	52	0.05	2.5	80.0	5.0				
	53	0.05	0.8	12.0			✓		
	54	0.05	0.6	10.0			✓		
	55	0.05	0.4	6.0			✓		
	56	0.05	0.8	26.0			✓		
	57	0.05	1.7	54.0	3.4				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-43. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	1.9	60.0			✓		
	59	0.05	1.1	17.0	8.5				
	60	0.05	4.7	75.0	37.0				
	61	0.05	4.1	65.0			✓		
	62	0.05	1.9	30.0	15.0				
	63	0.05	0.6	20.0			✓		
	64	0.05	1.9	62.0			✓		
	65	0.05	0.8	24.0			✓		
	66	0.05	1.2	19.0	9.5				
	67	0.05	3.1	50.0			✓		
	68	0.10	1.1	8.5	34.0				
	69	0.05	5.1	82.0	41.0				
	70	0.05	1.2	19.0	9.5				
	71	0.10	0.6	4.5	18.0				
	72	0.05	3.8	120.0	7.5				
	73	0.05	0.4	7.0	3.5				
	74	0.20	1.4	7.7				✓	
	75	0.05	0.6	10.0	5.0				
	76	0.05	0.9	14.0	7.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-43. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	1.0	16.0	8.0				
	78	0.05	1.1	18.0	9.0				
	79	0.05	2.5	40.0	20.0				
	80	0.05	2.2	35.0	17.0				
	81	0.05	0.7	11.0			✓		
	82	0.05	1.6	25.0			✓		
	83	0.05	0.5	10.0			✓		
	84	0.05	5.3	85.0	42.0				
	85	0.05	1.2	19.0	9.5				
	86	0.05	5.8	93.0			✓		
	87	0.05	4.5	72.0	36.0				
	88	0.05	1.1	18.0			✓		
	89	0.05	1.4	46.0	2.9				
	90	0.05	2.6	82.0	5.1				
	91	0.05	3.6	58.0	29.0				
	92	0.05	1.5	24.0			✓		
	93	0.05	2.7	43.0	21.0				
	94	0.05	0.5	8.0			✓		
	95	0.10	1.3	10.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-43. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.9	14.0			✓		
	97	0.05	0.4	7.0	3.5				
	98	0.05	1.5	48.0	3.0				
	99	0.05	1.0	16.0	8.0				
	100	0.05	4.1	65.0	32.0				
	101	0.05	4.7	75.0	37.0				
	102	0.05	0.6	10.0			✓		
	103	0.05	1.6	25.0	13.0				
	104	0.05	0.5	8.0	4.0				
	105	0.05	0.6	10.0	5.0				
	106	0.06	12.0	200.0	97.0				
	107	0.06	20.0	330.0	162.0				
	108	0.05	9.7	310.0	19.0				
	109	0.05	1.6	25.0	13.0				
	110	0.06	2.2	35.0			✓		
	111	0.05	0.5	8.0	4.0				
	112	0.06	1.1	18.0	9.0				
	113	0.05	1.4	22.0	11.0				
	114	0.05	1.1	17.0	9.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-43. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	3.1	50.0	25.0				
	116	0.05	1.9	30.0			✓		
	117	0.05	0.6	10.0			✓		
	118	0.05	6.1	200.0	12.0				
	119	0.05	1.3	21.0	11.0				
	120	0.05	1.1	17.0	8.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-44. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.8	26.0					✓
	2	0.05	0.5	8.0	4.0				
	3	0.05	0.6	10.0	5.0				
	4	0.05	1.3	20.0	10.0				
	5	0.05	0.4	6.0	3.0				
	6	0.05	1.2	19.0	9.5				
	7	0.05	0.3	5.0	2.5				
	8	0.05	0.4	6.0	3.0				
	9	0.05	0.4	7.0	3.5				
	10	0.05	0.8	14.0					✓
	11	0.05	0.4	7.0			✓		
	12	0.05	0.6	9.0	4.5				
	13	0.05	1.2	19.0	9.5				
	14	0.05	1.0	16.0	8.0				
	15	0.05	0.5	8.0			✓		
	16	0.05	0.7	22.0			✓		
	17	0.05	0.3	5.0	2.5				
	18	0.05	0.8	12.0				✓	
	19	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-44. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.4	6.0	3.0				
	21	0.05	1.9	31.0	16.0				
	22	0.05	0.9	15.0			✓		
	23	0.05	1.2	38.0			✓		
	24	0.05	0.7	11.0			✓		
	25	0.05	0.5	8.0	4.0				
	26	0.05	0.6	9.0	4.5				
	27	0.05	2.1	33.0	17.0				
	28	0.05	0.3	5.0			✓		
	29	0.05	0.6	9.0	4.5				
	30	0.10	1.2	10.0	38.0				
	31	0.10	1.3	11.0				✓	
	32	0.05	0.3	5.0	2.5				
	33	0.05	1.4	23.0			✓		
	34	0.05	0.3	8.0			✓		
	35	0.05	0.4	6.0	3.0				
	36	0.05	0.6	10.0	5.0				
	37	0.05	0.8	12.0	6.0				
	38	0.05	0.6	9.0	4.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-44. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.8	13.0	-		✓		
	40	0.05	4.8	77.0	38.0				
	41	0.10	0.7	5.5	22.0				
	42	0.05	0.8	12.0	6.0				
	43	0.05	1.7	27.0	14.0				
	44	0.05	2.4	38.0			✓		
	45	0.05	5.8	93.0	46.0				
	46	0.05	1.2	19.0	9.5				
	47	0.05	2.3	36.0	18.0				
	48	0.05	0.4	7.0			✓		
	49	0.05	0.6	10.0				✓	
	50	0.05	0.7	11.0			✓		
	51	0.05	1.3	21.0			✓		
	52	0.05	0.6	10.0	5.0				
	53	0.05	0.4	7.0			✓		
	54	0.05	32.0	500.0	250.0				
	55	0.05	2.5	40.0			✓		
	56	0.05	1.4	23.0			✓		
	57	0.05	0.6	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-44. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	2.4	38.0			✓		
	59	0.05	0.4	7.0			✓		
	60	0.05	0.9	15.0				✓	
	61	0.05	2.8	44.0	22.0				✓
	62	0.05	0.8	12.0					
	63	0.05	0.4	7.0	3.5				
	64	0.05	0.6	10.0	5.0				
	65	0.05	0.6	9.0	4.5				
	66	0.05	0.5	8.0			✓		
	67	0.05	0.4	6.0			✓		
	68	0.05	1.2	19.0	9.5				
	69	0.05	0.5	8.0			✓		
	70	0.05	0.6	10.0			✓		
	71	0.05	1.0	16.0			✓		
	72	0.05	1.1	17.0			✓		
	73	0.05	0.9	15.0			✓		
	74	0.05	0.7	11.0			✓		
	75	0.05	0.4	14.0			✓		
	76	0.05	0.5	8.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-44. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Opening	Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.10	0.9	7.5	30.0				
	78	0.05	0.5	8.0			✓		
	79	0.05	0.3	5.0			✓		
	80	0.05	1.3	20.0			✓		
	81	0.05	1.1	18.0			✓		
	82	0.05	0.3	5.0			✓		
	83	0.05	0.4	7.0	3.5				
	84	0.05	1.0	16.0	8.0				
	85	0.05	1.4	22.0	11.0				
	86	0.05	0.6	10.0			✓		
	87	0.05	0.8	12.0			✓		
	88	0.05	0.6	10.0					✓
	89	0.05	0.8	26.0	1.6				
	90	0.05	0.3	5.0	2.5				
	91	0.05	0.8	13.0			✓		
	92	0.05	3.5	56.0	28.0				
	93	0.05	1.6	25.0	13.0				
	94	0.05	0.4	7.0			✓		
	95	0.05	1.8	56.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-44. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.6	10.0	5.0				
	97	0.05	0.4	7.0			✓		
	98	0.05	1.1	18.0					✓
	99	0.05	0.6	20.0	1.2				
	100	0.05	0.6	10.0	5.0				
	101	0.05	1.7	27.0	14.0				
	102	0.05	2.8	44.0	22.0				
	103	0.05	0.6	10.0			✓		
	104	0.05	5.8	92.0	46.0				
	105	0.05	1.6	25.0				✓	
	106	0.05	0.9	15.0			✓		
	107	0.05	0.8	13.0					✓
	108	0.05	1.2	19.0			✓		
	109	0.05	1.3	20.0			✓		
	110	0.05	6.4	100.0	51.0				
	111	0.05	0.6	10.0	5.0				
	112	0.05	1.2	19.0	9.5				
	113	0.05	3.3	53.0	26.0				
	114	0.05	1.2	36.0	18.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-44. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.4	7.0	3.5				
	116	0.05	0.9	14.0	7.0				
	117	0.05	1.6	50.0			✓		
	118	0.05	0.4	14.0			✓		
	119	0.05	5.6	90.0	45.0				
	120	0.05	0.9	14.0			✓		
	121	0.10	0.9	7.0	28.0				
	122	0.05	5.8	93.0	46.0				
	123	0.05	12.0	360.0	180.0				
	124	0.10	0.8	6.0	24.0				
	125	0.05	1.5	48.0					✓
	126	0.05	0.5	16.0					✓
	127	0.05	0.4	12.0			✓		
	128	0.05	0.8	12.0			✓		
	129	0.05	0.5	8.0			✓		
	130	0.05	2.2	35.0			✓		
	131	0.05	1.4	23.0			✓		
	132	0.05	0.9	15.0	7.5				
	133	0.05	2.0	32.0	16.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-44. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.7	11.0			✓		
	135	0.05	0.6	10.0			✓		
	136	0.05	0.4	14.0			✓		
	137	0.05	0.8	12.0					✓
	138	0.05	1.1	34.0	2.1				
	139	0.05	0.4	7.0	3.5				
	140	0.05	5.0	160.0					✓
	141	0.05	0.4	6.0			✓		
	142	0.05	0.5	16.0					✓
	143	0.10	0.6	5.0	20.0				
	144	0.05	3.3	53.0	26.0				
	145	0.05	1.6	25.0	13.0				
	146	0.10	5.3	43.0	170.0				
	147	0.10	0.5	4.0	16.0				
	148	0.05	1.1	17.0	8.5				
	149	0.05	0.6	20.0			✓		
	150	0.05	1.2	36.0			✓		
	151	0.05	0.9	14.0	7.0				
	152	0.10	0.9	7.5	30.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-44. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	2.8	44.0			✓		
	154	0.05	0.9	15.0			✓		
	155	0.05	0.4	7.0			✓		
	156	0.05	0.5	8.0			✓		
	157	0.05	1.0	32.0	2.0				
	158	0.05	0.8	26.0			✓		
	159	0.05	1.9	30.0					✓
	160	0.05	2.7	43.0	21.0				
	161	0.05	1.0	16.0			✓		
	162	0.05	2.5	80.0			✓		
	163	0.05	2.5	80.0			✓		
	164	0.05	0.9	15.0				✓	
	165	0.05	3.4	110.0			✓		
	166	0.20	0.8	4.0	54.0				
	167	0.05	1.2	18.0	9.0				
	168	0.05	3.0	96.0					✓
	169	0.05	6.6	210.0	13.0				
	170	0.05	3.1	50.0	25.0				
	171	0.05	7.1	110.0	56.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-44. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	172	0.05	0.9	15.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-45. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.10	4.7	38.0					✓
	2	0.10	1.3	10.0	40.0				
	3	0.10	2.8	30.0					✓
	4	0.10	0.8	6.0	24.0				
	5	0.10	1.3	17.0	14.0				
	6	0.05	0.9	15.0	7.5				
	7	0.25	0.9	3.8			✓		
	8	0.25	0.9	3.5	110.0				
	9	0.10	3.8	50.0					✓
	10	0.05	0.8	24.0	1.5				
	11	0.05	0.9	14.0	7.0				
	12	0.05	0.8	12.0	6.0				
	13	0.05	0.6	13.0	2.2				
	14	0.05	0.5	16.0	1.0				
	15	0.05	0.4	12.0	0.7				
	16	0.95	3.1	3.3				✓	
	17	0.10	1.6	12.5	50.0				
	18	0.05	2.3	72.0	4.5				
	19	0.05	9.4	210.0	37.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-45. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	20	0.05	0.4	6.0	3.0				
	21	0.05	0.6	20.0	1.2				
	22	0.05	5.0	80.0	40.0				
	23	0.05	13.0	200.0	100.0				
	24	0.10	16.0	400.0	1600.0				
	25	0.05	0.4	14.0	0.9				
	26	0.05	2.8	44.0	22.0				
	27	0.05	0.6	13.0	2.2				
	28	0.05	0.6	10.0			✓		
	29	0.05	1.3	20.0	10.0				
	30	0.05	0.8	13.0	6.5				
	31	0.40	3.8	10.0				✓	
	32	0.05	0.4	7.0	3.5				
	33	0.05	0.4	14.0	0.9				
	34	0.05	0.6	9.0	4.5				
	35	0.05	1.9	30.0	15.0				
	36	0.05	0.3	5.0	2.5				
	37	0.05	4.8	110.0	19.0				
	38	0.10	0.6	8.3			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-45. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	39	0.05	0.4	7.0	3.5				
	40	0.05	0.4	6.0	3.0				
	41	0.05	8.1	128.0	64.0				
	42	0.05	0.4	12.0	0.7				
	43	0.05	0.7	22.0	1.4				
	44	0.10	2.3	30.0	26.0				
	45	0.25	2.5	10.0		370.0			
	46	0.10	0.6	8.3			✓		
	47	0.05	0.8	12.0	6.0				
	48	0.05	1.1	34.0	2.1				
	49	0.05	1.4	31.0	5.4				
	50	0.05	6.7	138.0	69.0				
	51	0.05	2.8	90.0	5.6				
	52	0.05	5.0	160.0	10.0				
	53	0.05	0.4	10.0	1.7				
	54	0.05	3.1	100.0					✓
	55	0.10	1.6	22.0	19.0				
	56	0.10	0.9	12.0					✓
	57	0.05	3.1	50.0	25.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-45. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	58	0.40	5.0	13.0	1400.0				
	59	0.10	0.5	4.0	16.0				
2	60	0.05	1.5	24.0	12.0				
	61	0.05	0.8	12.0	6.0				
	62	0.05	4.6	73.0	36.0				
	63	0.30	1.1	5.6					✓
	64	0.05	3.4	110.0	6.7				
	65	0.25	0.8	3.2	100.0				
	66	0.05	0.4	14.0	0.9				
	67	0.10	1.4	15.0	25.0				
	68	0.05	0.4	12.0	0.7				
	69	0.05	0.9	21.0	3.7				
	70	0.05	1.0	32.0	2.0				
	71	0.05	0.9	15.0	7.5				
	72	0.05	1.9	30.0	15.0				
	73	0.05	4.3	14.0	8.5				
	74	0.10	4.1	55.0	47.0				
	75	0.05	0.9	15.0	7.5				
	76	0.05	1.3	20.0	10.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-45. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
2	77	0.10	3.8	50.0					✓
	78	0.05	4.9	160.0	9.7				
	79	0.05	1.6	37.0	6.4				
	80	0.05	1.1	17.0	8.5				
	81	0.05	1.3	42.0	2.6				
	82	0.05	0.6	20.0	1.2				
	83	0.05	1.4	46.0	2.9				
	84	0.05	0.9	21.0	3.7				
	85	0.50	7.6	15.0				✓	
	86	0.50	0.4	14.0	0.9				
	87	0.10	0.6	6.7			✓		
	88	0.10	3.3	35.0					✓
	89	0.05	0.8	12.0	6.0				
	90	0.10	0.6	7.5	6.5				
	91	0.05	3.8	60.0	30.0				
	92	0.05	1.8	40.0	6.8				
	93	0.05	2.3	36.0	18.0				
	94	0.05	1.3	40.0	2.5				
	95	0.05	0.4	8.6	1.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-45. DATA FOR 11th AND 12th WEEKS COMPOSITE SAMPLE, D.M. STOLTZFUS & SON'S CEDAR HILL PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
2	96	0.40	2.5	6.7			✓		
	97	0.05	2.5	40.0	20.0				
	98	0.10	1.8	19.0	31.0				
	99	0.05	0.8	26.0	1.6				
	100	0.05	2.5	80.0	5.0				
	101	0.10	1.7	18.0	30.0				
	102	0.05	1.2	38.0	2.4				
	103	0.40	1.8	4.7		580.0			
	104	0.10	0.6	5.0			✓		
	105	0.10	0.8	6.0	24.0				
	106	0.05	1.1	17.0	8.5				
	107	0.05	1.1	17.0	8.5				
	108	0.05	1.4	44.0	2.7				
	109	0.05	0.6	10.0	5.0				
	110	0.05	1.3	29.0	4.9				
	111	0.05	0.7	16.0	2.7				
	112	0.05	0.5	16.0	1.0				
	113	0.05	1.0	16.0	8.0				
	114	0.05	4.4	70.0	35.0				
	115	0.05	1.9	44.0	7.6				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-46. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.5	8.0			✓		
	2	0.20	1.7	9.0			✓		
	3	0.05	1.1	18.0			✓		
	4	0.10	0.6	4.5			✓		
	5	0.05	0.3	8.0			✓		
	6	0.05	0.4	6.0					✓
	7	0.05	0.4	7.0		3.5			
	8	0.05	0.6	9.0	4.5				
	9	0.20	0.8	4.3			✓		
	10	0.10	0.6	5.0				✓	
	11	0.05	3.8	120.0			✓		
	12	0.10	0.4	3.0		12.0			
	13	0.10	0.8	6.0			✓		
	14	0.05	1.0	16.0		8.0			
	15	0.05	0.3	5.0			✓		
	16	0.05	0.4	6.0			✓		
	17	0.30	1.0	3.2	200.0				
	18	0.05	0.6	10.0					✓
	19	0.10	1.3	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-46. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.4	7.0	3.5				
	21	0.05	0.9	15.0	7.5				
	22	0.20	1.5	8.0					✓
	23	0.05	0.8	13.0			✓		
	24	0.05	2.4	79.0	4.7				
	25	0.10	1.4	11.0	44.0				
	26	0.9	7.9	8.4				✓	
	27	0.30	1.8	5.6		350.0			
	28	0.05	0.5	8.0	4.0				
	29	0.05	0.8	13.0	6.5				
	30	0.05	0.6	10.0	5.0				
	31	0.05	0.5	8.0				✓	
	32	0.05	1.6	26.0			✓		
	33	0.30	1.7	5.4	340.0				
	34	0.05	1.4	22.0	11.0				
	35	0.10	0.5	4.0	16.0				
	36	0.30	0.9	3.0				✓	
	37	0.05	0.4	7.0			✓		
	38	0.05	0.6	9.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-46. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.8	12.0			✓		
	40	0.05	1.1	18.0	9.0				
	41	0.25	1.9	7.8	250.0				
	42	0.25	1.5	6.0	190.0				
	43	0.05	0.8	26.0					✓
	44	0.10	0.5	4.0	16.0				
	45	0.05	0.4	6.0			✓		
	46	0.05	2.1	68.0			✓		
	47	0.05	0.4	7.0			✓		
	48	0.05	0.5	8.0			✓		
	49	0.40	1.5	4.0	430.0				
	50	0.05	0.4	12.0	0.7				
	51	0.05	1.0	16.0					✓
	52	0.20	2.9	15.7	210.0				
	53	0.05	1.0	16.0	8.0				
	54	0.05	0.5	8.0			✓		
	55	0.05	1.9	30.0	15.0				
	56	0.05	0.4	7.0			✓		
	57	0.05	0.4	6.0					✓

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-46. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.5	8.0	4.0				
	59	0.05	1.0	16.0			✓		
	60	0.05	0.4	6.0			✓		
	61	0.05	0.3	5.0			✓		
	62	0.05	0.9	15.0					✓
	63	0.05	0.8	24.0	1.5				
	64	0.25	1.9	7.3			✓		
	65	0.05	0.8	12.0				✓	
	66	0.05	0.7	11.0	5.5				
	67	0.05	1.0	16.0			✓		
	68	0.05	0.8	9.0			✓		
	69	0.25	2.1	8.5	270.0				
	70	0.05	0.4	7.0	3.5				
	71	0.05	0.5	8.0			✓		
	72	0.45	3.4	7.9	1300.0				
	73	0.05	0.5	8.0	4.0				
	74	0.05	0.8	12.0			✓		
	75	0.05	2.1	33.0			✓		
	76	0.10	1.0	8.0	32.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-46. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.6	9.0			✓		
	78	0.10	1.4	11.0			✓		
	79	0.10	1.9	16.0	62.0				
	80	0.05	0.9	14.0	7.0				
	81	0.40	1.9	5.0	540.0				
	82	0.05	1.4	22.0	11.0				
	83	0.05	1.1	18.0	9.0				
	84	0.05	0.4	6.0	3.0				
	85	0.05	1.8	28.0	14.0				
	86	0.20	0.8	4.3	58.0				
	87	0.05	0.6	10.0	5.0				
	88	0.05	0.8	13.0			✓		
	89	0.10	0.6	5.0	20.0				
	90	0.05	2.2	35.0			✓		
	91	0.10	1.1	8.5			✓		
	92	0.05	0.8	12.0	6.0				
	93	0.20	6.0	32.0	430.0				
	94	0.25	3.5	14.0			✓		
	95	0.05	2.3	36.0	18.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-46. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.4	7.0				✓	
	97	0.25	1.1	4.5	140.0				
	98	0.25	0.9	3.5			✓		
	99	0.05	0.9	15.0	7.5				
	100	0.05	0.4	6.0			✓		
	101	0.05	0.6	18.0			✓		
	102	0.05	0.8	12.0	6.0				
	103	0.05	0.6	10.0				✓	
	104	0.05	1.6	26.0	13.0				
	105	0.05	0.6	10.0			✓		
	106	0.05	1.9	30.0				✓	
	107	0.05	0.8	12.0				✓	
	108	0.05	0.4	7.0				✓	
	109	0.05	0.8	13.0			✓		
	110	0.20	1.8	9.7	130.0				
	111	0.05	0.8	13.0	6.5				
	112	0.10	0.8	6.0	24.0				
	113	0.05	0.8	13.0	6.5				
	114	0.05	0.3	10.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-46. DATA FOR 1st AND 2nd WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	0.9	14.0	7.0				
	116	0.05	2.4	39.0			✓		
	117	0.05	1.1	18.0	9.0				
	118	0.10	0.6	5.0	20.0				
	119	0.05	0.6	10.0			✓		
	120	0.05	0.3	10.0			✓		
	121	0.05	0.8	13.0	6.5				
	122	0.05	0.9	14.0	7.0				
	123	0.05	0.4	6.0				✓	
	124	0.05	2.2	35.0	17.0				
	125	0.25	3.4	14.0			✓		
	126	0.10	1.8	14.0	56.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-47. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.5	8.0				✓	
	2	0.10	0.4	3.0		14.0			
	3	0.05	0.9	14.0		8.1			
	4	0.10	3.5	25.0		120.0			
	5	0.05	1.1	17.0		9.8			
	6	0.05	0.3	4.0			✓		
	7	0.05	0.4	6.0		3.5			
	8	0.05	0.8	12.0		6.9			
	9	0.05	0.9	15.0		8.6			
	10	0.05	0.4	6.0		3.5			
	11	0.05	1.1	18.0	9.0				
	12	0.05	1.8	28.0	14.0				
	13	0.10	0.3	3.3			✓		
	14	0.05	0.5	8.0		4.6			
	15	0.10	0.7	7.3				✓	
	16	0.10	0.6	6.0		12.0			
	17	0.50	1.9	3.8		1100.0			
	18	0.05	0.5	8.0		4.6			
	19	0.05	0.3	4.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-47. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.4	6.0		3.5			
	21	0.25	1.6	6.5		240.0			
	22	0.05	0.5	8.0			✓		
	23	0.10	0.6	6.0		12.0			
	24	0.05	0.4	6.0	3.0				
	25	0.15	0.6	4.0		36.0			
	26	0.10	1.4	12.0		53.0			
	27	0.10	0.3	5.0				✓	
	28	0.10	1.3	13.0		26.0			
	29	0.05	0.3	5.0	2.5				
	30	0.30	1.9	6.0		430.0			
	31	0.05	0.8	13.0			✓		
	32	0.50	1.6	3.3			✓		
	33	0.20	0.8	3.4		85.0			
	34	0.05	0.3	5.0					✓
	35	0.25	6.9	28.0		1000.0			
	36	0.05	0.7	9.2		9.1			
	37	0.05	0.3	4.0					✓
	38	0.05	0.4	14.0	0.9				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-47. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.15	1.3	8.0		72.0			
	40	0.20	1.0	5.3			✓		
	41	0.40	1.3	3.3		410.0			
	42	0.05	0.4	6.0		3.5			
	43	0.10	0.5	4.0				✓	
	44	0.05	0.4	7.0					✓
	45	0.05	0.3	4.0			✓		
	46	0.05	0.4	6.0		3.5			
	47	0.05	1.0	16.0	8.0				
	48	0.10	0.4	3.5		16.0			
	49	0.05	0.4	6.0					✓
	50	0.05	0.5	16.0	1.0				
	51	0.10	0.9	9.3		18.0			
2	52	0.05	0.4	14.0	0.9				
	53	0.05	0.3	10.0	0.6				
	54	0.05	0.5	8.0		4.6			
	55	0.15	0.9	6.0		54.0			
	56	0.05	6.0	96.0	48.0				
	57	0.05	0.7	22.0	1.4				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-47. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.20	0.8	4.0		62.0			
	59	0.10	0.6	4.5		21.0			
	60	0.10	0.8	6.5		30.0			
	61	0.05	0.3	10.0	0.6				
	62	0.05	0.3	10.0	0.6				
	63	0.10	0.4	3.0			✓		
	64	0.10	0.5	4.0			✓		
	65	0.05	0.3	5.0	2.5				
	66	0.10	0.6	4.5		21.0			
	67	0.05	1.9	60.0	3.7				
	68	0.05	0.8	26.0	1.6				
	69	0.05	0.4	14.0	0.9				
	70	0.05	0.3	10.0	0.6				
	71	0.10	0.8	6.0		28.0			
	72	0.05	0.4	14.0	0.9				
	73	0.05	0.5	8.0		4.6			
	74	0.10	0.8	8.0		16.0			
	75	0.05	1.3	40.0	2.5				
	76	0.20	0.7	4.0		62.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-47. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.10	0.7	7.3			✓		
	78	0.10	0.4	4.0					✓
	79	0.05	0.6	20.0	1.2				
	80	0.05	1.0	32.0	2.0				
	81	0.05	0.4	7.0		4.0			
	82	0.05	0.6	10.0		5.8			
	83	0.25	0.8	3.0			✓		
	84	0.10	0.6	5.0		23.0			
	85	0.10	1.0	11.0		21.0			
	86	0.10	1.6	17.0		32.0			
	87	0.05	0.3	8.0	0.5				
	88	0.05	1.3	40.0	2.5				
	89	0.05	1.9	60.0	3.7				
	90	0.10	1.0	8.0		37.0			
	91	0.60	5.9	9.5		5500.0			
	92	0.05	1.6	52.0	3.2				
	93	0.05	0.5	16.0	1.0				
	94	0.05	0.4	14.0	0.9				
	95	0.05	0.6	18.0	1.1				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-47. DATA FOR 1st AND 2nd WEEKS TUMBLED COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.3	10.0	0.6				
	97	0.05	0.4	12.0	0.7				
	98	0.05	0.4	6.0	3.0				
	99	0.15	1.2	7.6	59.0				
	100	0.05	0.7	11.0	5.5				
	101	0.15	1.0	6.4		58.0			
	102	0.05	0.6	18.0	1.1				
	103	0.05	0.3	4.0					✓
	104	0.10	1.2	9.5		44.0			
	105	0.10	1.5	12.0		55.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-48. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	1.1	18.0	9.0				
	2	0.05	0.3	10.0	0.6				
	3	0.05	0.3	10.0	0.6				
	4	0.05	2.3	37.0	18.0				
	5	0.10	3.1	25.0		120.0			
	6	0.60	2.5	4.0			✓		
	7	0.10	0.6	6.7	11.0				
	8	0.05	1.4	23.0	12.0				
	9	0.10	4.2	45.0		87.0			
	10	0.05	0.4	7.0			✓		
	11	0.15	0.5	3.2		29.0			
	12	0.05	0.4	6.0		3.5			
	13	0.10	0.4	4.0		7.8			
	14	0.05	1.1	17.0			✓		
	15	0.05	0.6	10.0					✓
	16	0.10	1.6	17.0	29.0				
	17	0.05	0.5	8.0			✓		
	18	0.05	1.1	17.0	8.5				
	19	0.10	2.2	18.0		81.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-48. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.10	1.3	10.0			✓		
	21	0.05	1.2	19.0	9.5				
	22	0.05	0.8	13.0	7.5				
	23	0.05	0.6	9.0			✓		
	24	0.10	0.6	4.5			✓		
	25	0.05	0.4	6.0					✓
	26	0.05	0.4	7.0	4.0				
	27	0.05	0.6	10.0		5.8			
	28	0.05	0.3	10.0					✓
	29	0.05	0.4	6.0		3.5			
	30	0.10	2.5	20.0	80.0				
	31	0.05	0.4	7.0	3.5				
	32	0.10	0.5	4.0		18.0			
	33	0.05	2.2	120.0	1.6				
	34	0.05	0.9	21.0					✓
	35	0.15	0.6	4.0		36.0			
	36	0.05	0.6	9.0			✓		
	37	0.10	0.3	3.3		6.5			
	38	0.05	0.3	7.1	1.2				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-48. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.10	1.4	11.0	44.0				
	40	0.05	0.3	10.0			✓		
	41	0.05	0.4	6.0			✓		
	42	0.10	0.4	3.5		16.0			
	43	0.10	0.4	3.0		14.0			
	44	0.05	1.0	16.0	8.0				
	45	0.10	2.2	23.0	39.0				
	46	0.05	0.3	5.0	2.5				
	47	0.05	0.3	5.0	2.5				
	48	0.05	0.3	5.0					✓
	49	0.05	0.6	10.0		5.8			
	50	0.05	1.7	27.0	14.0				
	51	0.10	0.7	5.5		25.0			
	52	0.10	0.6	5.0			✓		
	53	0.05	0.6	10.0			✓		
	54	0.05	0.4	7.0	3.5				
	55	0.05	0.5	8.0	4.0				
	56	0.05	0.4	6.0					✓
	57	0.05	0.3	5.0		2.9			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-48. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	4.1	65.0	32.0				
	59	0.10	0.4	4.0		7.8			
	60	0.05	0.9	15.0	7.5				
	61	0.05	0.3	5.0		2.9			
	62	0.05	0.5	8.0		4.6			
	63	0.05	0.4	6.0		3.5			
	64	0.05	0.9	15.0	7.5				
	65	0.05	1.7	27.0	14.0				
	66	0.10	0.4	4.7		9.1			
	67	0.05	0.3	5.0	2.5				
	68	0.05	1.1	17.0	8.5				
	69	0.10	0.7	7.3		14.0			
	70	0.05	1.4	22.0	11.0				
	71	0.05	0.3	5.7	1.0				
	72	0.05	0.6	9.0	4.5				
	73	0.05	0.6	9.0	4.5				
	74	0.10	0.5	4.0		18.0			
	75	0.10	0.4	3.5		16.0			
	76	0.10	0.8	8.0		16.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-48. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	1.1	26.0	4.4				
	78	0.10	0.6	4.5		21.0			
	79	0.45	1.4	3.1		620.0			
	80	0.05	0.8	24.0			✓		
	81	0.05	0.6	20.0		1.4			
	82	0.05	5.0	80.0	40.0				
	83	0.10	4.5	36.0	144.0				
	84	0.10	0.4	4.0		7.8			
	85	0.05	0.6	9.0		5.2			
	86	0.10	0.6	5.0		23.0			
	87	0.10	0.8	8.0		16.0			
	88	0.05	0.6	9.0	4.5				
	89	0.05	0.6	10.0	5.0				
	90	0.10	0.6	6.7		13.0			
	91	0.05	0.3	5.0		2.9			
	92	0.10	1.6	17.0		34.0			
	93	0.05	0.6	10.0		5.8			
	94	0.10	0.3	10.0	0.6				
	95	0.15	0.8	5.2		47.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-48. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.20	0.6	3.3		52.0			
	97	0.10	0.4	3.5		16.0			
	98	0.05	1.7	27.0	14.0				
	99	0.05	1.0	16.0	8.0				
	100	0.05	1.9	30.0	15.0				
	101	0.05	0.6	10.0	5.0				
	102	0.05	5.6	90.0	45.0				
	103	0.10	3.1	25.0		120.0			
	104	0.05	0.6	10.0		5.8			
	105	0.05	1.3	20.0		12.0			
	106	0.05	0.3	4.0	2.0				
	107	0.05	0.8	12.0	6.0				
	108	0.05	4.4	100.0	17.0				
	109	0.05	1.2	19.0	9.5				
	110	0.10	0.4	4.7		9.1			
	111	0.05	2.5	40.0	20.0				
	112	0.05	0.8	24.0	1.5				
	113	0.10	0.5	5.3		10.0			
	114	0.05	0.4	6.0	3.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-48. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.10	2.5	27.0		52.0			
	116	0.10	0.4	4.7		9.1			
	117	0.10	0.4	4.0		7.8			
	118	0.05	1.4	22.0	11.0				
	119	0.05	0.3	10.0	0.6				
	120	0.20	1.3	6.7		100.0			
	121	0.05	1.9	43.0	7.3				
	122	0.05	0.8	12.0	6.0				
	123	0.05	0.2	3.0			✓		
	124	0.30	2.0	6.4		460.0			
	125	0.05	0.6	9.0			✓		
	126	0.05	1.2	19.0	9.5				
	127	0.05	1.3	20.0	10.0				
	128	0.05	6.9	110.0	55.0				
	129	0.05	2.5	40.0	20.0				
	130	0.05	3.6	83.0	14.0				
	131	0.05	6.6	110.0	52.0				
	132	0.05	1.4	23.0	12.0				
	133	0.05	0.6	20.0	1.2				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-48. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.6	20.0	1.2				
	135	0.05	1.3	20.0	10.0				
	136	0.05	0.3	5.0	2.5				
	137	0.05	0.4	7.0	3.5				
	138	0.05	2.9	47.0	23.0				
	139	0.05	2.7	43.0			✓		
	140	0.05	1.6	25.0	13.0				
	141	0.05	0.8	12.0	6.0				
	142	0.05	0.6	20.0	1.2				
	143	0.05	1.4	22.0	11.0				
	144	0.05	3.6	57.0	28.0				
	145	0.05	1.4	23.0	12.0				
	146	0.05	1.1	23.0	7.5				
	147	0.05	1.1	39.0	2.2				
	148	0.05	0.6	10.0		5.8			
	149	0.05	1.6	26.0			✓		
	150	0.05	1.6	25.0					✓
	151	0.05	1.3	40.0	2.5				
	152	0.05	0.6	10.0		5.8			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-48. DATA FOR 3rd AND 4th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	3.1	71.0	12.0				
	154	0.20	0.8	4.3		67.0			
	155	0.05	1.7	39.0	6.6				
	156	0.05	3.4	79.0	13.0				
	157	0.05	1.9	25.0		16.0			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-49. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	1.3	21.0	10.0				
	2	0.05	22.5	720.0	45.0				
	3	0.05	7.5	120.0	60.0				
	4	0.05	0.9	15.0	7.5				
	5	0.05	0.9	15.0	7.5				
	6	0.05	0.4	14.0	0.9				
	7	0.45	1.4	22.0	11.0				
	8	0.05	1.6	3.6		700.0			
	9	0.05	0.7	11.0	5.5				
	10	0.05	0.4	14.0			✓		
	11	0.05	0.7	22.0	1.4				
	12	0.05	0.7	11.0	5.5				
	13	0.10	0.7	7.3		14.0			
	14	0.05	1.0	32.0	2.0				
	15	0.05	0.3	8.0	0.5				
	16	0.05	5.9	95.0	47.0				
	17	0.10	0.4	4.0		7.8			
	18	0.05	1.1	17.0	8.5				
	19	0.05	2.0	32.0	16.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-49. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.10	0.5	5.3			✓		
	21	0.05	1.0	32.0	2.0				
	22	0.05	0.9	28.0	1.7				
	23	0.05	0.6	9.0					✓
	24	0.20	2.5	11.0		280.0			
	25	0.05	1.5	24.0	12.0				
2	26	0.05	0.3	5.0	2.5				
	27	0.05	1.3	21.0	10.0				
	28	0.05	0.4	12.0	0.7				
	29	0.05	2.6	82.0	5.1				
	30	0.05	0.8	26.0	1.6				
	31	0.10	1.5	16.0			✓		
	32	0.10	0.8	8.0		16.0			
	33	0.05	0.7	22.0	1.4				
	34	0.05	0.6	20.0	1.2				
	35	0.05	0.9	20.0	3.4				
	36	0.05	0.6	18.0	1.1				
	37	0.05	1.9	60.0	3.7				
	38	0.10	0.8	8.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-49. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.10	1.7	14.0		62.0			
	40	0.05	0.4	6.0	3.0				
	41	0.05	0.8	13.0	6.5				
	42	0.05	0.8	24.0	1.5				
	43	0.25	3.0	12.0	380.0				
	44	0.05	0.3	5.0	2.5				
	45	0.05	0.3	10.0	0.6				
	46	0.05	0.6	10.0		5.8			
	47	0.05	0.4	14.0	0.9				
	48	0.05	0.8	13.0	6.5				
	49	0.05	0.3	10.0	0.6				
	50	0.05	0.3	10.0	0.6				
	51	0.05	0.4	7.0			✓		
	52	0.05	1.3	40.0	2.5				
	53	0.10	0.6	5.0		23.0			
	54	0.10	0.5	5.3	10.4				
	55	0.05	0.3	8.0	0.5				
	56	0.10	0.9	10.0	17.0				
	57	0.05	0.8	24.0	1.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-49. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.4	6.0			✓		
	59	0.05	0.4	7.0	3.5				
	60	0.05	0.3	8.0	0.5				
	61	0.05	0.3	8.0	0.5				
	62	0.05	0.4	6.0	3.0				
	63	0.10	0.4	4.7			✓		
	64	0.05	0.8	26.0	1.6				
	65	0.10	0.6	4.5			✓		
	66	0.10	0.6	6.0	10.0				
	67	0.05	0.6	10.0	5.0				
	68	0.20	1.3	6.7		100.0			
	69	0.20	0.8	4.8		43.0			
	70	0.05	0.4	12.0	0.7				
	71	0.10	1.6	17.0	28.0				
3	72	0.05	0.6	10.0	5.0				
	73	0.10	0.4	4.7		9.1			
	74	0.05	0.8	12.0	6.0				
	75	0.05	0.9	15.0	7.5				
	76	0.05	0.4	6.0		3.5			

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-49. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.6	20.0	1.2				
	78	0.10	0.4	3.0		14.0			
	79	0.05	0.6	10.0	5.0				
	80	0.05	0.8	12.0			✓		
	81	0.05	0.4	12.0	0.7				
	82	0.20	1.1	5.7				✓	
	83	0.05	0.9	15.0	7.5				
	84	0.05	0.5	16.0	1.0				
	85	0.05	0.3	10.0	0.6				
	86	0.05	0.4	12.0	0.7				
	87	0.05	7.8	130.0	62.0				
	88	0.05	0.4	12.0	0.7				
	89	0.05	0.3	10.0	0.6				
	90	0.05	0.3	5.0			✓		
	91	0.05	1.0	32.0	2.0				
	92	0.05	0.3	8.0	0.5				
	93	0.10	0.6	6.0	10.0				
	94	0.05	0.6	10.0	5.0				
	95	0.05	10.8	130.0	110.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-49. DATA FOR 5th AND 6th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.5	8.0		1.2			
	97	0.05	0.4	7.0	3.5				
	98	0.05	0.6	10.0	5.0				
	99	0.60	2.5	4.0			✓		
	100	0.05	1.9	30.0	15.0				
	101	0.05	0.4	7.0					✓
	102	0.05	0.4	7.0					✓
	103	0.10	0.6	6.7				✓	
	104	0.10	1.1	8.5				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-50. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.9	14.0			✓		
	2	0.05	1.1	18.0	9.0				
	3	0.05	0.6	10.0	5.0				
	4	0.10	0.6	5.0				✓	
	5	0.25	1.8	7.0		260.0			
	6	0.05	0.5	8.0			✓		
2	7	0.05	0.5	8.0	4.0				
	8	0.20	1.2	6.3			✓		
	9	0.05	6.5	100.0	51.0				
	10	0.05	0.9	30.0			✓		
	11	0.10	1.6	13.0	50.0				
	12	0.10	0.6	5.0	20.0				
	13	0.05	1.3	20.0	10.0				
3	14	0.05	0.6	20.0	1.2				
	15	0.05	0.6	20.0			✓		
	16	0.05	4.6	74.0	37.0				
	17	0.05	3.1	49.0	24.0				
	18	0.05	0.8	12.0			✓		
	19	0.05	0.5	8.0	4.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-50. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	2.1	34.0	17.0				
4	21	0.05	0.5	8.0	4.0				
	22	0.20	2.1	11.0	150.0				
5	23	0.05	0.8	13.0	6.5				
6	24	0.05	0.6	9.0	4.5				
	25	0.05	2.9	47.0	23.0				
7	26	0.05	1.1	18.0	9.0				
	27	0.05	0.9	15.0	7.5				
	28	0.25	1.1	4.5	140.0				
8	29	0.05	0.6	10.0	5.0				
	30	0.05	0.8	13.0			✓		
	31	0.05	1.7	54.0	3.4				
	32	0.05	0.4	7.0	3.5				
	33	0.05	0.4	7.0			✓		
	34	0.05	5.3	85.0	42.0				
9	35	0.05	1.2	19.0	9.5				
	36	0.05	0.8	13.0	6.5				
	37	0.05	0.6	9.0	4.5				
	38	0.05	1.1	18.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-50. DATA FOR 5th AND 6th WEEKS TUMBLED COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	2.8	44.0	22.0				
	40	0.10	0.5	4.0			✓		
	41	0.05	0.3	10.0					✓
10	42	0.05	0.8	12.0	6.0				
	43	0.05	1.9	30.0	15.0				
	44	0.05	0.5	8.0	4.0				
	45	0.10	1.1	9.0	36.0				
	46	0.05	2.8	45.0			✓		
	47	0.10	0.5	4.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-51. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	0.3	5.0			✓		
	2	0.05	1.6	26.0	13.0				
	3	0.05	3.5	56.0	28.0				
	4	0.05	1.8	28.0	14.0				
	5	0.05	1.2	19.0	9.5				
	6	0.05	0.6	9.0	4.5				
	7	0.05	0.4	6.0	3.0				
	8	0.05	0.6	10.0	5.0				
	9	0.05	0.9	15.0			✓		
	10	0.05	0.3	5.0			✓		
	11	0.05	1.2	19.0	9.5				
	12	0.05	0.6	10.0			✓		
	13	0.05	0.3	5.0			✓		
	14	0.05	0.8	12.0			✓		
	15	0.05	1.3	20.0	10.0				
	16	0.05	0.9	30.0			✓		
	17	0.05	2.3	36.0	18.0				
	18	0.05	0.4	6.0			✓		
	19	0.05	0.9	15.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-51. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	1.0	16.0	8.0				
	21	0.05	1.9	30.0			✓		
	22	0.05	0.6	9.0				✓	
	23	0.05	0.6	10.0			✓		
	24	0.30	1.3	4.0				✓	
	25	0.05	3.3	52.0	26.0				
	26	0.05	0.6	10.0			✓		
	27	0.05	0.6	10.0	5.0				
	28	0.05	0.8	12.0	6.0				
	29	0.05	0.3	5.0			✓		
	30	0.05	3.6	57.0	28.0				
	31	0.05	0.3	5.0					✓
	32	0.05	0.6	10.0			✓		
	33	0.05	0.6	10.0			✓		
	34	0.05	0.4	7.0				✓	
	35	0.10	1.0	8.0			✓		
	36	0.05	0.8	13.0			✓		
	37	0.05	1.0	16.0			✓		
	38	0.05	0.3	5.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-51. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.05	0.4	7.0			✓		
	40	0.05	7.2	115.0	57.0				
	41	0.05	1.2	19.0	9.5				
	42	0.05	0.4	6.0				✓	
	43	0.05	3.8	60.0	30.0				
	44	0.05	0.6	9.0	4.5				
	45	0.05	0.6	10.0			✓		
	46	0.05	0.4	6.0			✓		
	47	0.05	1.0	16.0	8.0				
	48	0.05	1.3	20.0	10.0				
	49	0.05	0.9	15.0	7.5				
	50	0.05	0.6	9.0			✓		
	51	0.05	0.6	10.0			✓		
	52	0.05	0.7	11.0	5.5				
	53	0.10	1.3	10.0			✓		
	54	0.05	0.6	10.0			✓		
	55	0.05	0.5	8.0	4.0				
	56	0.05	1.3	21.0	10.0				
	57	0.05	1.0	16.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-51. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.6	10.0	5.0				
	59	0.05	0.3	5.0	2.5				
	60	0.05	1.6	25.0	12.0				
	61	0.05	2.1	34.0			✓		
	62	0.10	3.4	28.0	110.0				
	63	0.05	0.6	10.0			✓		
	64	0.05	0.9	15.0			✓		
	65	0.05	1.1	18.0	9.0				
	66	0.05	1.3	20.0			✓		
	67	0.20	1.4	7.1			✓		
	68	0.05	4.4	70.0			✓		
	69	0.05	1.5	24.0			✓		
2	70	0.05	0.6	9.0	4.5				
	71	0.05	0.9	15.0			✓		
	72	0.05	0.4	6.0			✓		
	73	0.05	0.5	8.0				✓	
	74	0.05	0.6	10.0	5.0				
	75	0.40	3.1	8.3			✓		
	76	0.10	1.1	8.5	34.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-51. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	5.9	95.0			✓		
	78	0.30	1.3	4.0				✓	
	79	0.05	0.5	8.0	4.0				
	80	0.05	1.3	40.0			✓		
	81	0.05	0.6	9.0	4.5				
	82	0.05	1.2	19.0			✓		
	83	0.05	0.3	5.0			✓		
	84	0.05	0.7	11.0	5.5				
	85	0.05	0.9	14.0			✓		
	86	0.05	1.1	18.0	9.0				
	87	0.10	1.8	15.0	58.0				
	88	0.05	0.8	12.0			✓		
	89	0.05	0.4	6.0	3.0				
	90	0.05	0.8	13.0	6.5				
	91	0.05	0.4	7.0				✓	
	92	0.05	2.3	36.0	18.0				
	93	0.50	12.0	24.0				✓	
	94	0.05	0.4	7.0			✓		
	95	0.05	0.3	5.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-51. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.6	9.0			✓		
	97	0.05	0.4	6.0					✓
	98	0.10	1.2	9.5				✓	
	99	0.05	11.0	170.0	85.0				
	100	0.05	1.1	17.0	8.5				
	101	0.05	0.7	11.0			✓		
	102	0.05	1.8	28.0	14.0				
	103	0.05	3.5	56.0	28.0				
	104	0.05	1.3	20.0					✓
	105	0.05	0.8	13.0	6.5				
	106	0.05	1.3	20.0	10.0				
	107	0.05	0.7	11.0			✓		
	108	0.05	2.5	40.0	20.0				
	109	0.05	0.9	15.0			✓		
	110	0.05	2.0	47.0	23.0				
	111	0.05	0.8	13.0			✓		
	112	0.05	0.8	12.0			✓		
	113	0.05	0.4	6.0			✓		
	114	0.05	0.7	11.0	5.5				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TAPLE A-51. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	115	0.05	1.6	25.0			✓		
	116	0.05	0.4	7.0			✓		
	117	0.05	0.4	7.0	3.5				
	118	0.05	0.4	7.0			✓		
	119	0.05	1.1	17.0			✓		
	120	0.05	0.3	5.0	2.5				
	121	0.05	1.8	28.0	14.0				
	122	0.05	0.5	8.0	4.0				
	123	0.05	1.6	25.0	12.0				
	124	0.05	0.8	12.0			✓		
	125	0.05	0.3	5.0					✓
	126	0.05	0.5	8.0			✓		
	127	0.05	1.1	18.0			✓		
	128	0.05	1.4	23.0	12.0				
	129	0.05	0.7	11.0	5.5				
	130	0.05	0.5	8.0	4.0				
	131	0.05	0.4	7.0			✓		
	132	0.05	0.4	7.0	3.5				
	133	0.05	0.9	14.0	7.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-51. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	134	0.05	0.5	8.0	4.0				
	135	0.05	2.8	45.0	22.0				
	136	0.05	1.8	28.0	14.0				
	137	0.05	4.3	68.0			✓		
	138	0.05	0.8	13.0			✓		
	139	0.05	1.9	31.0	16.0				
	140	0.05	3.6	57.0	28.0				
	141	0.05	8.9	140.0	71.0				
	142	0.05	0.4	7.0			✓		
	143	0.05	1.0	16.0			✓		
	144	0.10	1.1	9.0			✓		
	145	0.05	0.5	8.0	4.0				
	146	0.05	0.9	15.0	7.5				
	147	0.05	0.5	8.0					✓
	148	0.05	0.4	7.0				✓	
	149	0.05	0.6	10.0	5.0				
	150	0.05	0.3	10.0			✓		
	151	0.05	0.4	6.0			✓		
	152	0.05	1.3	21.0	10.0				

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-51. DATA FOR 7th AND 8th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	153	0.05	1.3	20.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-52. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
1	1	0.05	2.6	42.0	21.0				
	2	0.05	0.6	9.0			✓		
	3	0.05	0.6	9.0			✓		
	4	0.05	0.4	7.0	3.5				
	5	0.05	0.9	15.0	7.5				
	6	0.05	0.7	11.0	5.5				
	7	0.05	2.1	34.0	17.0				
	8	0.10	0.8	6.0	24.0				
	9	0.05	0.9	15.0	7.5				
	10	0.10	0.6	4.5	18.0				
	11	0.05	0.6	9.0			✓		
	12	0.05	1.7	27.0	14.0				
	13	0.05	0.7	11.0	5.5				
	14	0.10	0.5	4.0	16.0				
	15	0.05	0.9	15.0			✓		
	16	0.05	0.4	6.0			✓		
	17	0.10	1.4	12.0	46.0				
	18	0.05	2.6	41.0	20.0				
	19	0.05	1.3	21.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-52. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	20	0.05	0.9	15.0	7.5				
	21	0.05	1.1	18.0	9.0				
	22	0.05	0.3	5.0			✓		
	23	0.05	0.5	8.0				✓	
	24	0.05	1.3	21.0			✓		
	25	0.05	0.5	8.0			✓		
	26	0.05	0.6	10.0			✓		
	27	0.05	1.4	22.0	11.0				
	28	0.25	2.1	8.5			✓		
	29	0.05	2.3	74.0	4.6				
	30	0.05	0.5	8.0			✓		
	31	0.05	0.7	11.0			✓		
	32	0.10	2.4	19.0	76.0				
	33	0.05	1.7	27.0			✓		
	34	0.05	1.0	16.0				✓	
	35	0.05	0.6	10.0	5.0				
	36	0.05	1.4	22.0	11.0				
	37	0.10	2.0	16.0	64.0				
	38	0.10	0.9	7.5			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-52. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	39	0.10	0.6	4.5			✓		
	40	0.04	3.6	58.0	29.0				
	41	0.10	1.2	9.5			✓		
	42	0.05	0.9	14.0			✓		
	43	0.05	0.7	11.0			✓		
	44	0.05	1.3	20.0	10.0				
	45	0.05	0.5	8.0					✓
	46	0.05	0.9	14.0	7.0				
	47	0.05	0.3	5.0					✓
	48	0.05	0.8	13.0			✓		
	49	0.05	0.8	12.0			✓		
	50	0.05	0.5	8.0			✓		
	51	0.05	0.8	12.0	6.0				
	52	0.05	4.4	70.0	35.0				
	53	0.05	1.8	28.0	14.0				
	54	0.05	0.5	8.0	4.0				
	55	0.05	0.8	24.0			✓		
	56	0.05	0.4	7.0	3.5				
	57	0.05	0.7	11.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-52. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	58	0.05	0.5	8.0	4.0				
	59	0.05	0.6	9.0			✓		
	60	0.05	0.5	8.0	4.0				
	61	0.05	2.6	41.0	20.0				
	62	0.10	0.7	5.5	22.0				
	63	0.05	0.4	6.0	3.0				
	64	0.05	0.3	5.0	2.5				
	65	0.05	0.6	9.0	4.5				
	66	0.05	0.5	8.0			✓		
	67	0.05	0.4	6.0	3.0				
	68	0.05	0.6	9.0	4.5				
	69	0.05	0.5	8.0			✓		
	70	0.10	1.4	11.0				✓	
	71	0.05	0.7	11.0	5.5				
	72	0.10	0.6	5.0				✓	
	73	0.05	1.3	20.0	10.0				
	74	0.05	0.6	9.0			✓		
	75	0.05	1.1	17.0			✓		
	76	0.05	0.4	7.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-52. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	77	0.05	0.3	5.0			✓		
	78	0.05	1.0	16.0	8.0				
	79	0.05	0.7	11.0			✓		
	80	0.05	1.4	22.0	11.0				
	81	0.05	0.6	10.0	5.0				
	82	0.05	0.3	5.0			✓		
	83	0.05	0.3	5.0			✓		
	84	0.05	1.3	20.0			✓		
	85	0.05	0.5	8.0			✓		
	86	0.05	1.8	28.0	14.0				
	87	0.05	0.4	6.0			✓		
	88	0.05	1.9	31.0	16.0				
	89	0.20	1.9	10.0	140.0				
	90	0.05	0.6	10.0			✓		
	91	0.05	0.5	8.0			✓		
	92	0.05	0.4	6.0			✓		
	93	0.05	0.4	6.0			✓		
	94	0.05	1.3	20.0			✓		
	95	0.05	0.4	6.0			✓		

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

TABLE A-52. DATA FOR 9th AND 10th WEEKS COMPOSITE SAMPLE, ARUNDEL CORPORATION'S DELIGHT PLANT (cont.)

Grid Opening	Fiber Number	Dimension, μ		Aspect Ratio	Electron Diffraction Pattern (Mass, 10^{-15} g)				
		Width	Length		Chrysotile	Amphibole	Ambiguous	Not Asbestos	No Pattern
	96	0.05	0.5	8.0				✓	
	97	0.40	1.8	4.7				✓	
	98	0.60	1.9	3.0				✓	
	99	0.05	0.4	6.0	3.0				
	100	0.05	4.0	64.0	32.0				
	101	0.05	2.3	36.0	18.0				
	102	0.05	0.4	6.0				✓	
	103	0.05	0.4	7.0	3.5				
	104	0.05	0.8	13.0				✓	
	105	0.10	0.9	7.5	30.0				
	106	0.05	0.6	10.0	5.0				
	107	0.05	0.4	6.0					✓
	108	0.05	1.1	18.0				✓	

NOTE: Magnifications are 20,000 on film, 16,000 on the screen.

APPENDIX B

SELECTED ELECTRON MICROGRAPHS AND X-RAY SPECTRA

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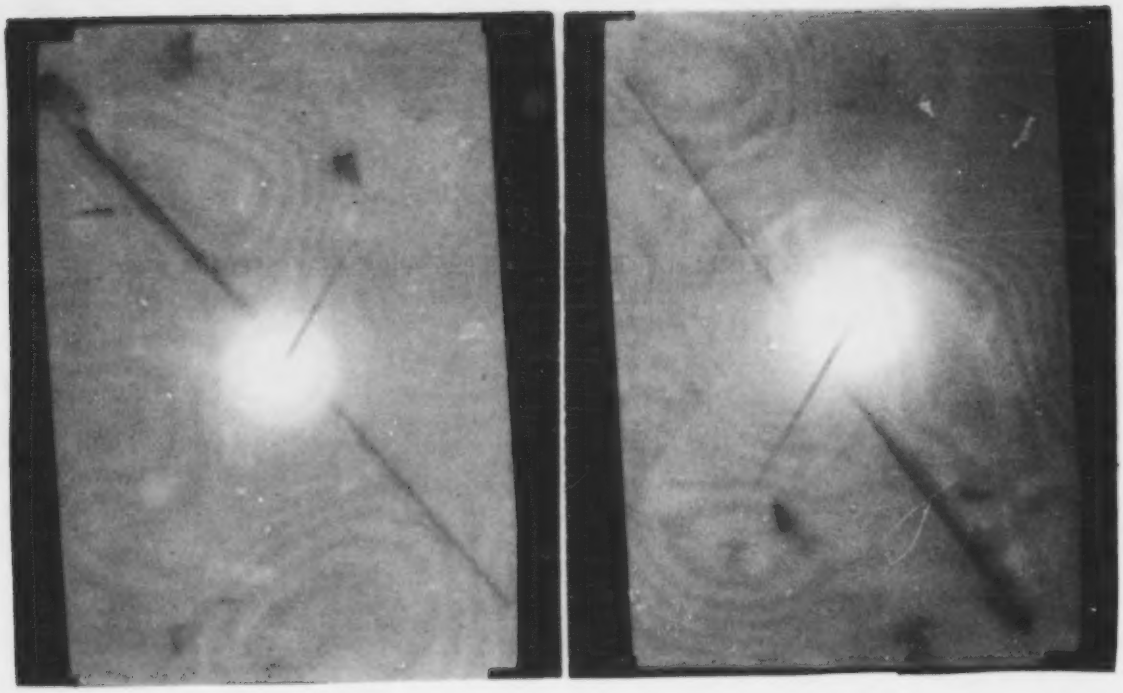
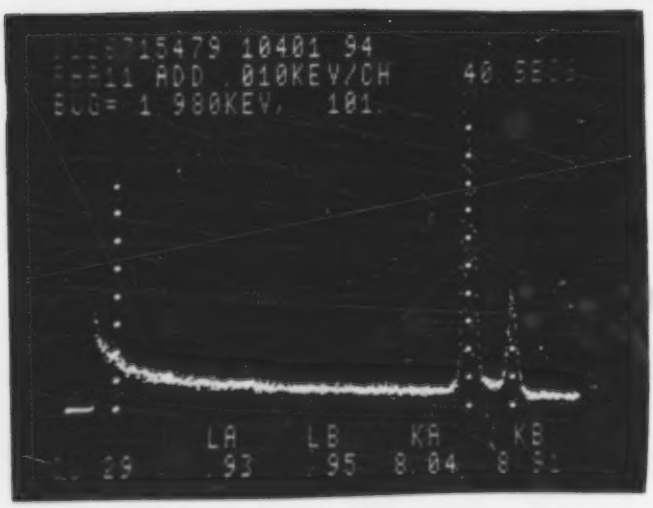


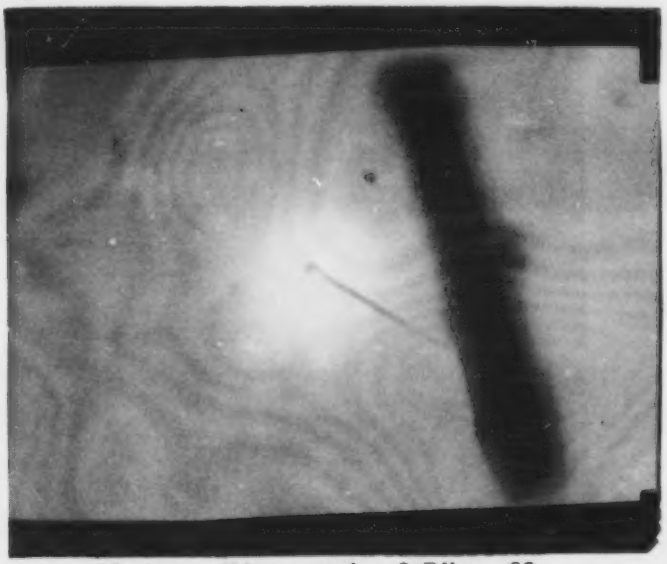
0° 40°

Electron Micrographs of Fiber 94

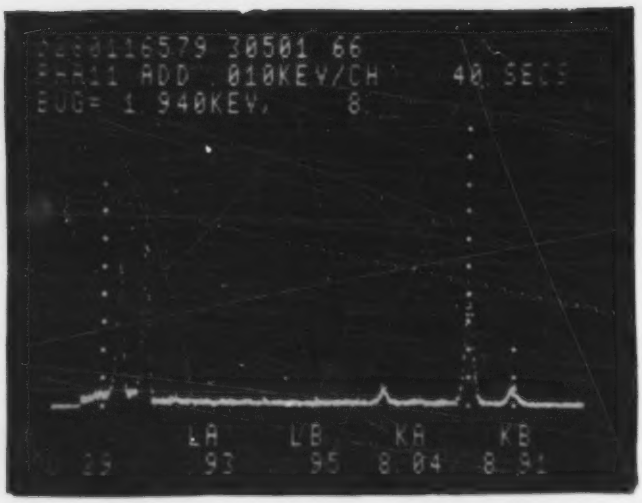


Non-dispersive X-Ray Spectra of Fiber 94

Figure B-1. 1st Composite; Ghilotti Brothers, Inc.

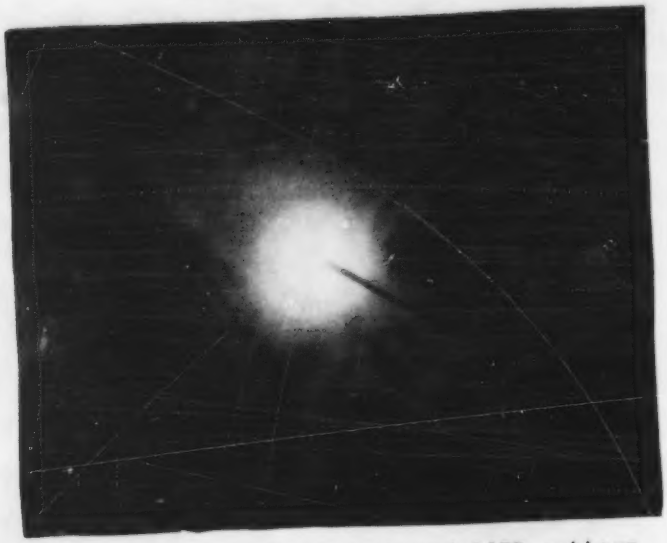


Electron Micrograph of Fiber 66

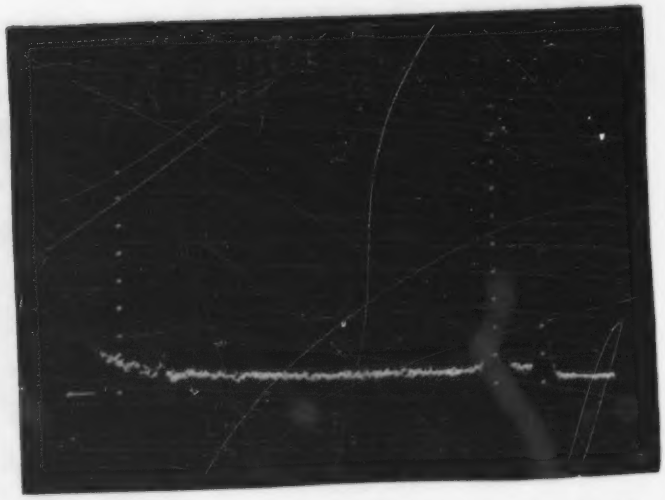


Non-dispersive X-Ray Spectra of Fiber 66

Figure B-2. 1st Composite--Tumbled; Ghilotti Brothers, Inc.

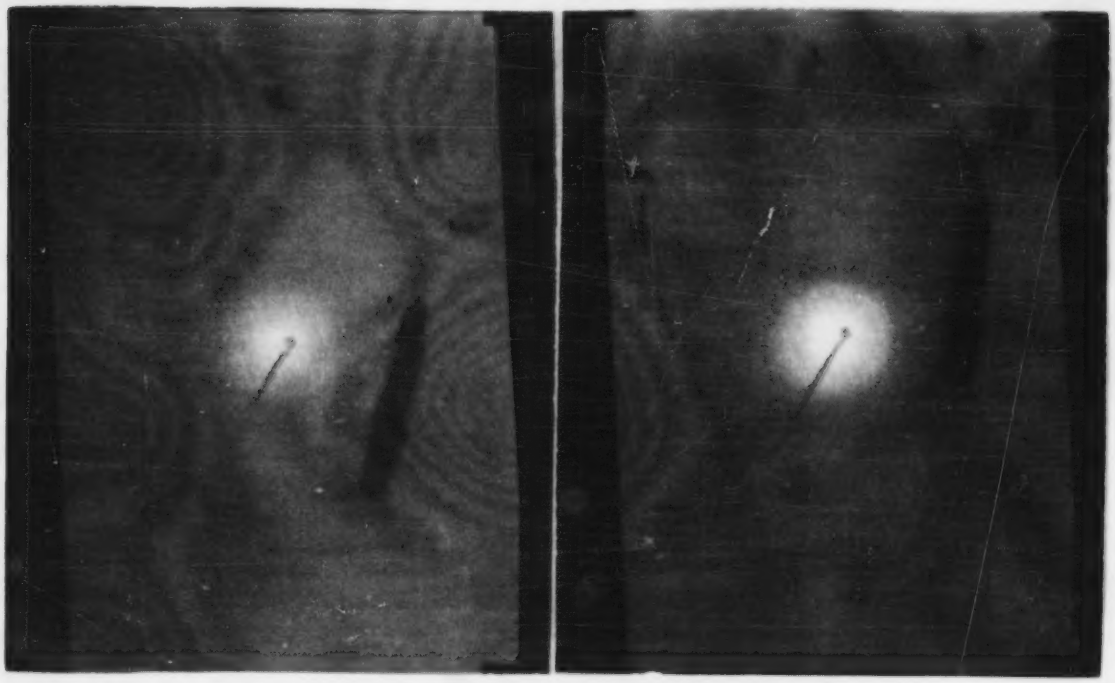


Electron Micrograph and SAED pattern
of Fiber 95

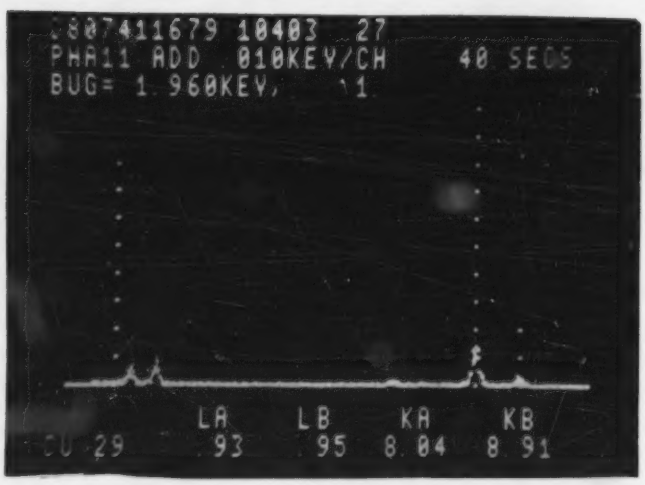


Non-dispersive X-Ray Spectrum of Fiber 95

Figure B-3. 2nd Composite; Ghilotti Brothers, Inc.



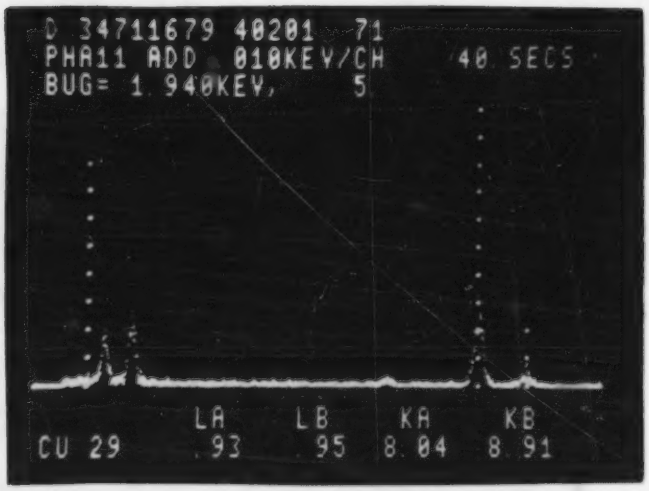
Electron Micrographs of Fiber 27



Non-dispersive X-Ray Spectra of Fiber 27

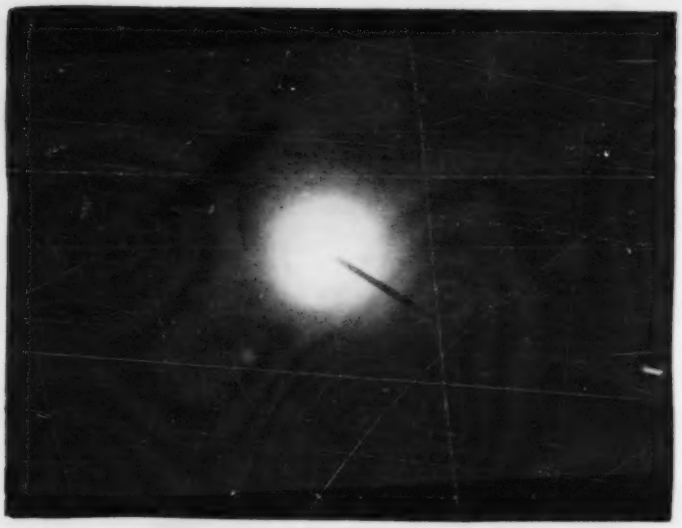
Figure B-4. 3rd Composite; Ghilotti Brothers, Inc.

Electron Micrograph of Fiber 71

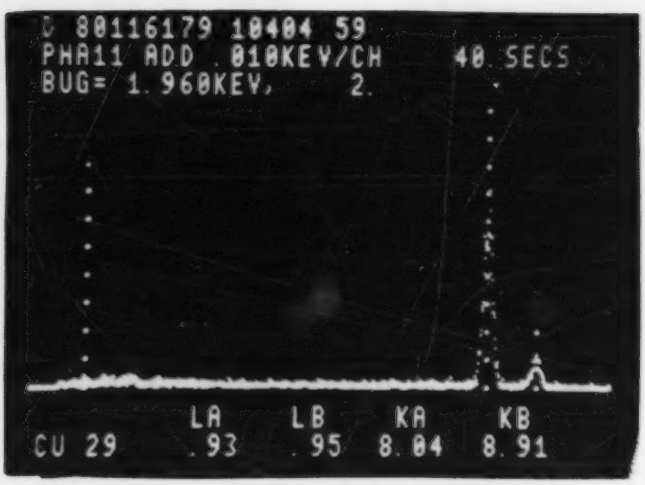


Non-dispersive X-Ray Spectrum of Fiber 71

Figure B-5. 3rd Composite--Tumbled; Ghilotti Brothers, Inc.

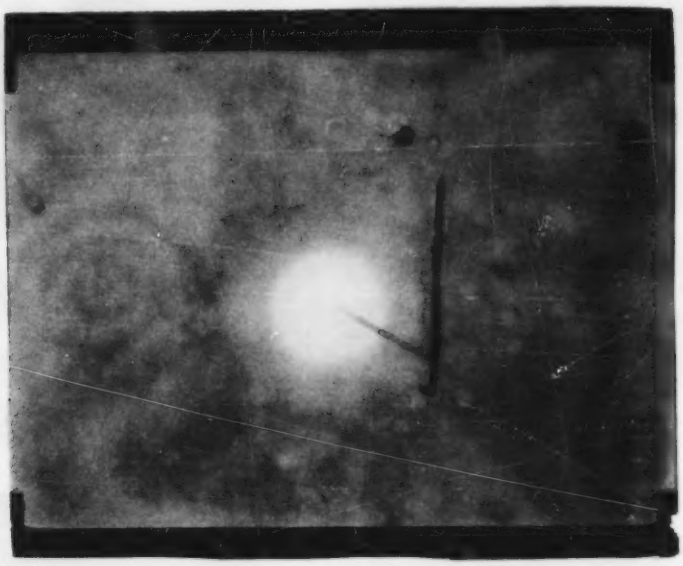


Electron Micrograph of Fiber 92

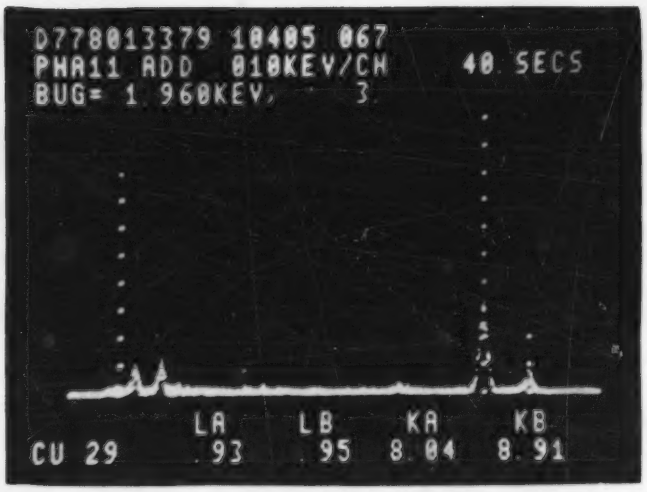


Non-dispersive X-Ray Spectrum of Fiber 92

Figure B-6. 4th Composite; Ghilotti Brothers, Inc.

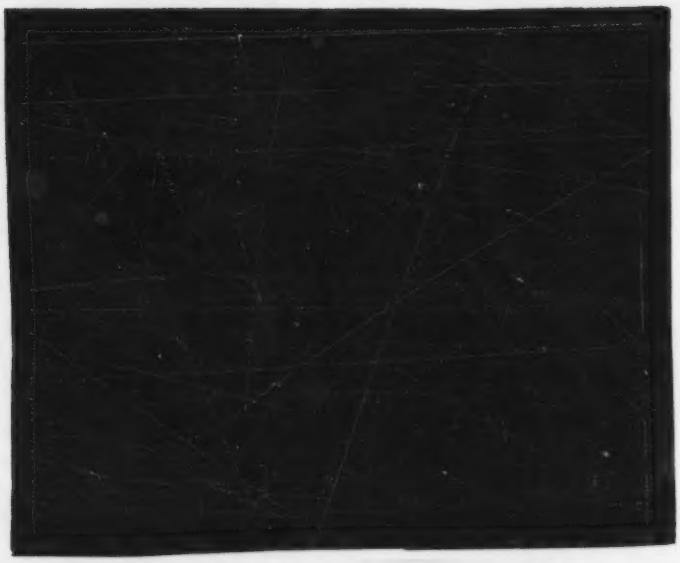


Electron Micrograph of Fiber 53

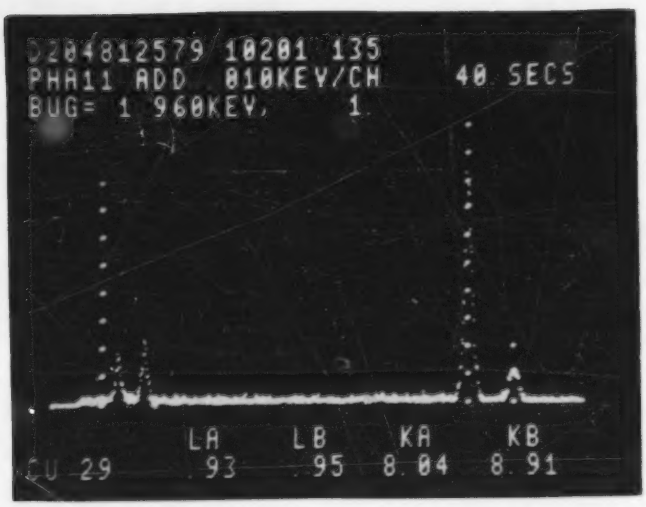


Non-dispersive X-Ray Spectrum of Fiber 53

Figure B-7. 5th Composite; Ghilotti Brothers, Inc.

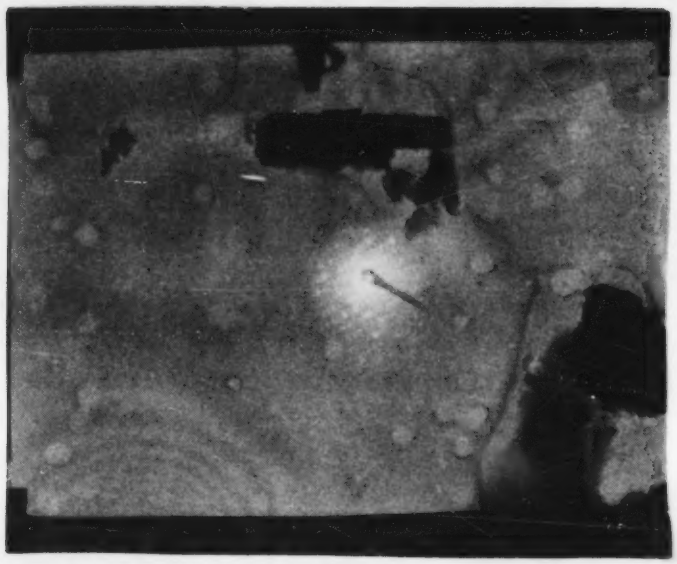


Electron Micrograph of Fiber 100



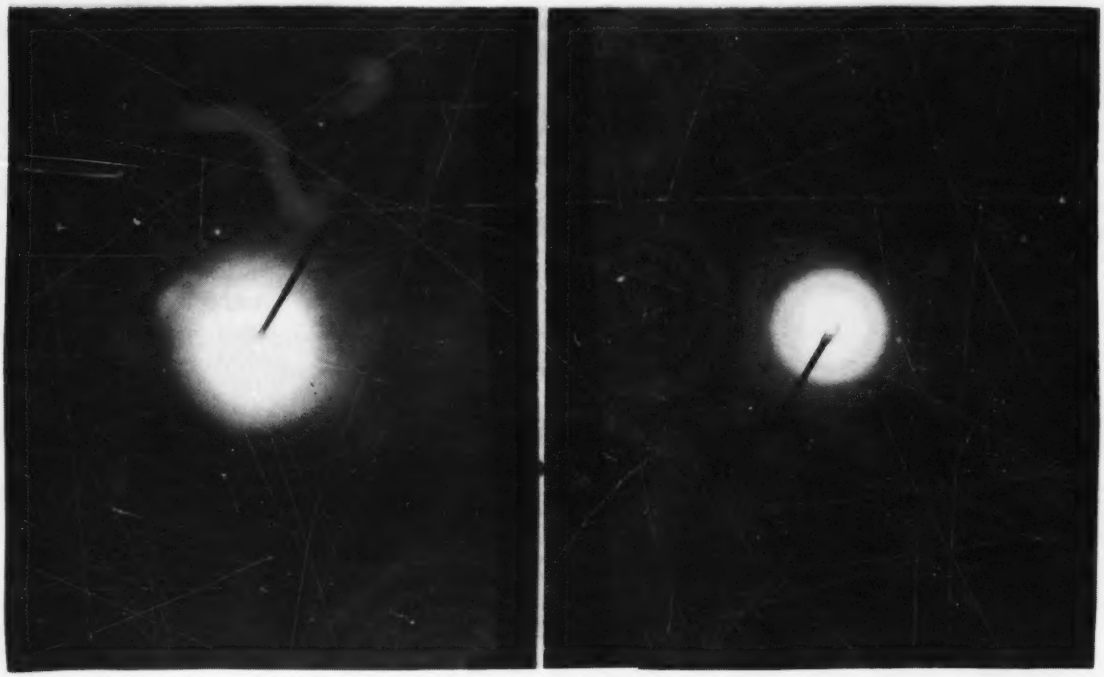
Non-dispersive X-Ray Spectra of Fiber 100

Figure B-8. 1st Composite; Rockville Crushed Stone, Inc.



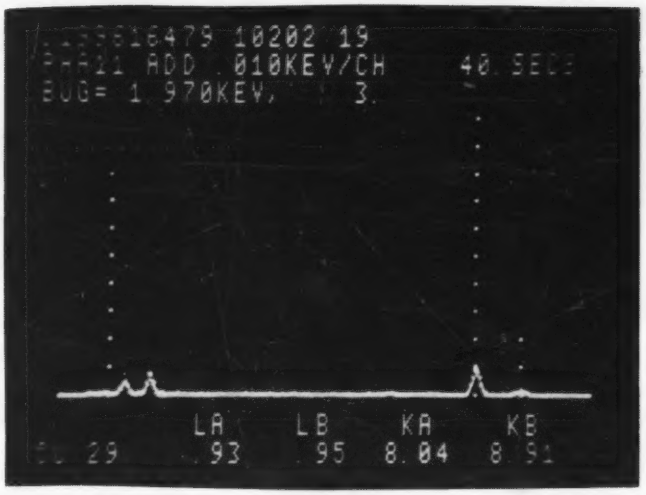
Electron Micrograph of Fiber 19

Figure B-9. 1st Composite--Tumbled; Rockville Crushed Stone, Inc.



0° 40°

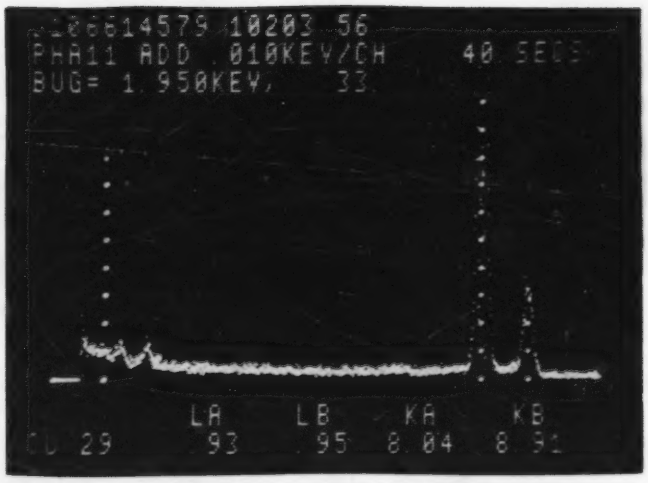
Electron Micrographs of Fiber 19



Non-dispersive X-Ray Spectra of Fiber 19

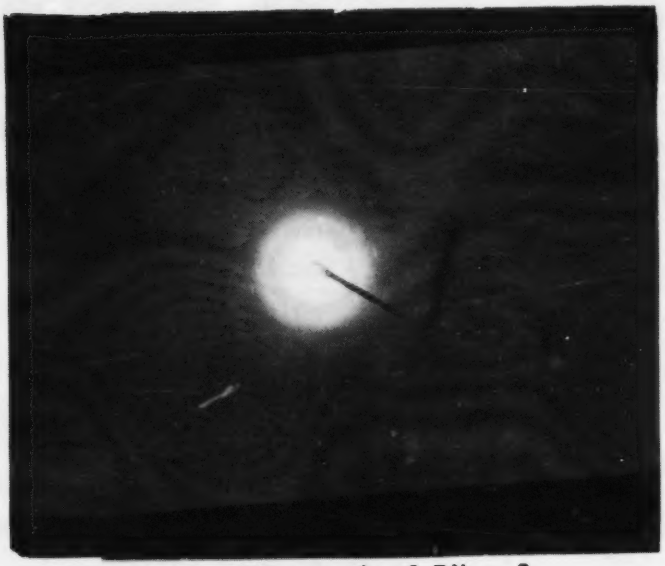
Figure B-10. 2nd Composite; Rockville Crushed Stone, Inc.

Electron Micrograph of Fiber 56

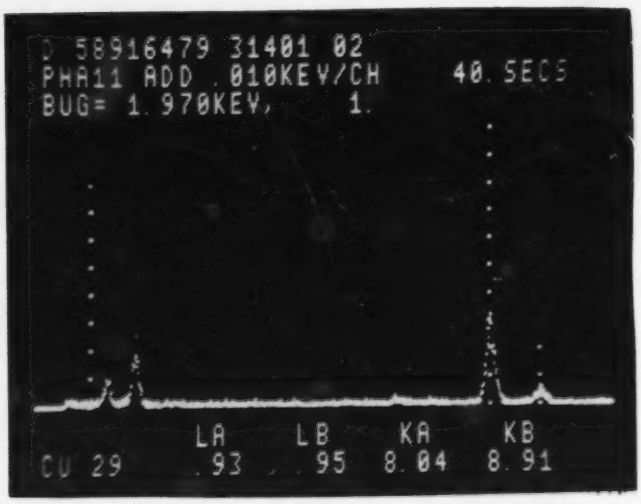


Non-dispersive X-Ray Spectrum of Fiber 56

Figure B-11. 3rd Composite; Rockville Crushed Stone, Inc.

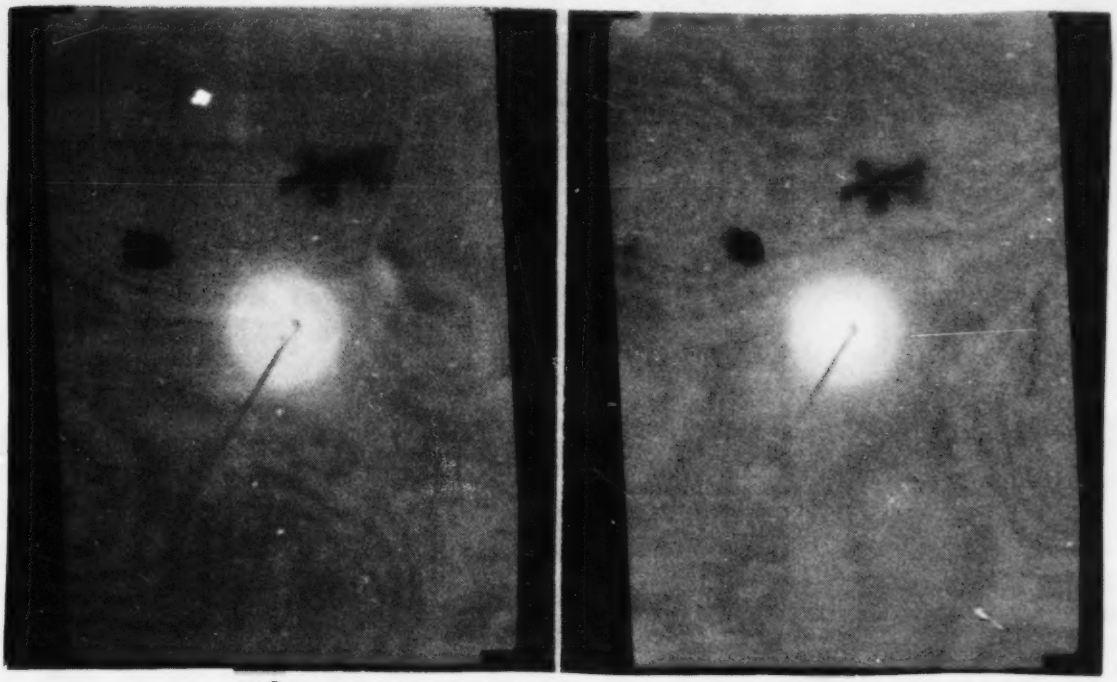


Electron Micrograph of Fiber 2



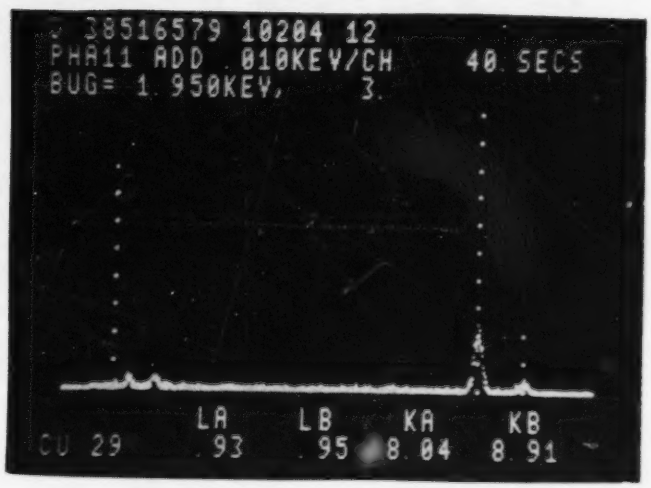
Non-dispersive X-Ray Spectrum of Fiber 2

Figure B-12. 3rd Composite--Tumbled; Rockville Crushed Stone, Inc.



0° 40°

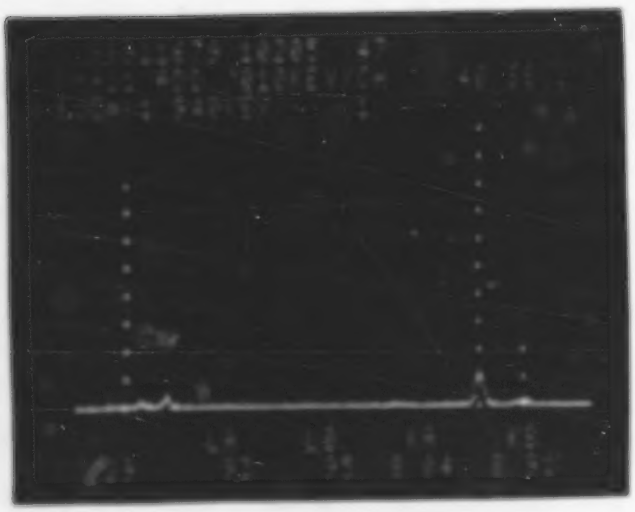
Electron Micrographs of Fiber 12



Non-dispersive X-Ray Spectra of Fiber 12

Figure B-13. 4th Composite; Rockville Crushed Stone, Inc.

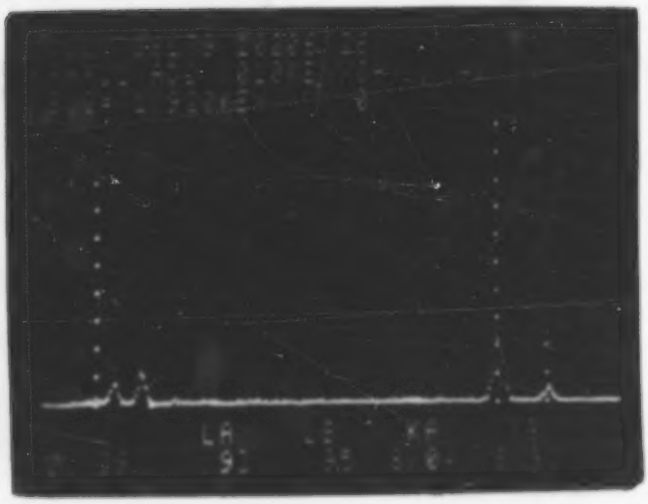
Electron Micrograph of Fiber 47



Non-dispersive X-Ray Spectrum of Fiber 47

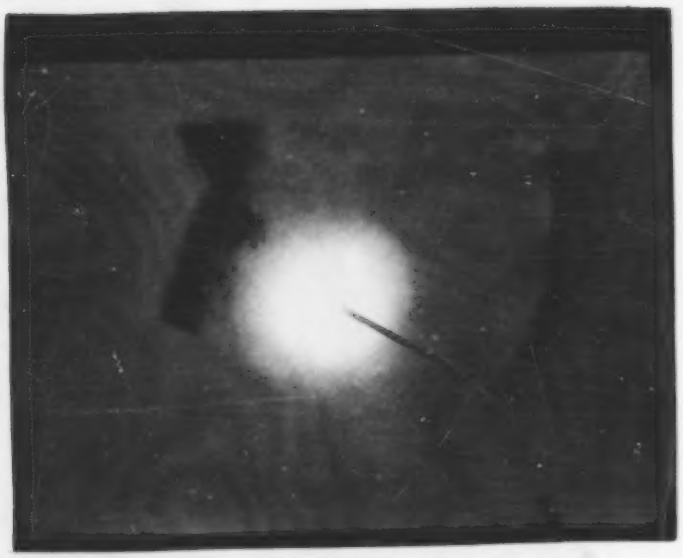
Figure B-14. 5th Composite; Rockville Crushed Stone, Inc.

Electron Micrograph of Fiber 26

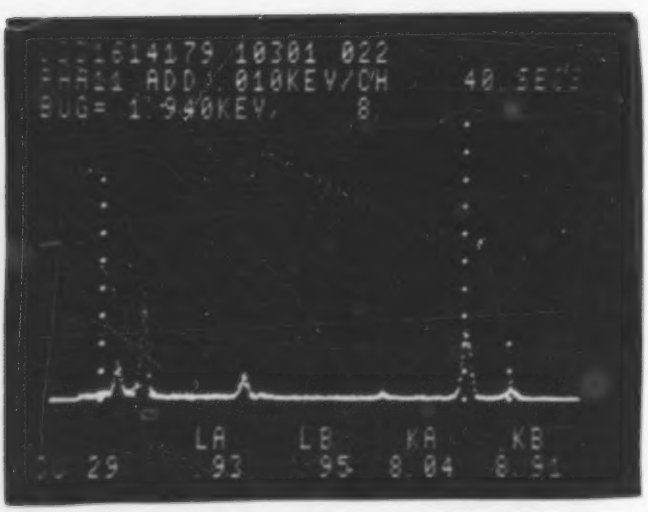


Non-dispersive X-Ray Spectrum of Fiber 26

Figure B-15. 6th Composite; Rockville Crushed Stone, Inc.

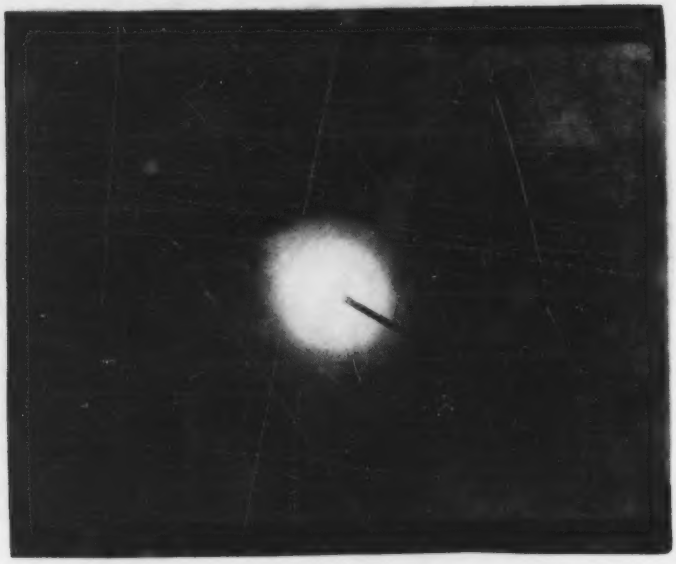


Electron Micrograph of Fiber 22

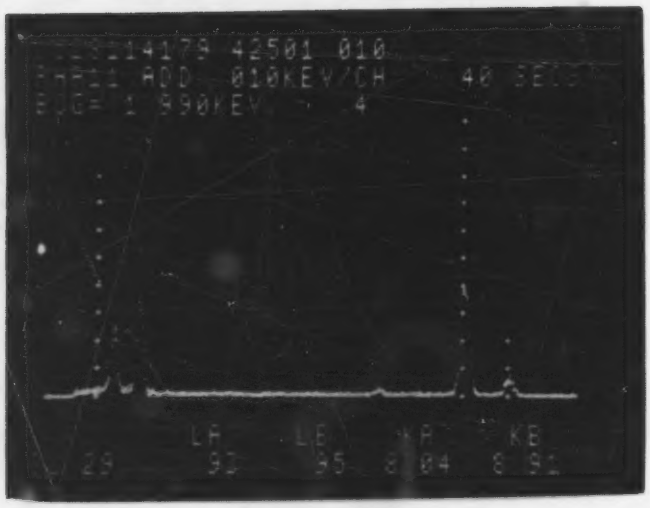


Non-dispersive X-Ray Spectrum of Fiber 22

Figure B-16. 1st Composite; Cardinal Stone Co.

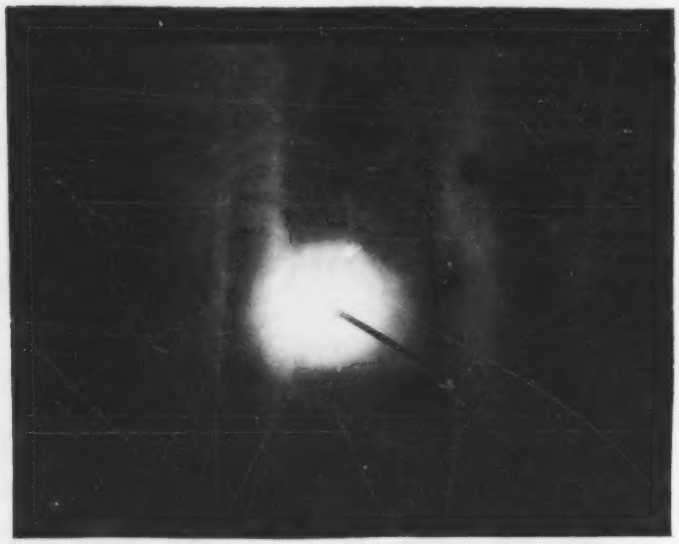


Electron Micrograph of Fiber 10

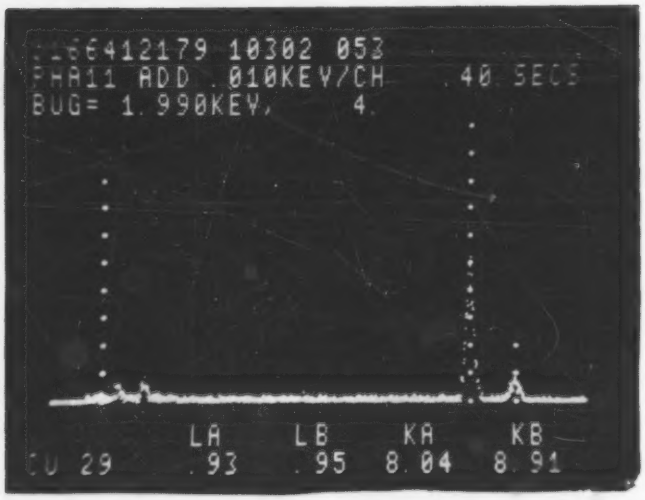


Non-dispersive X-Ray Spectrum of Fiber 10

Figure B-17. 1st Composite--Tumbled; Cardinal Stone Co.



Electron Micrograph of Fiber 53

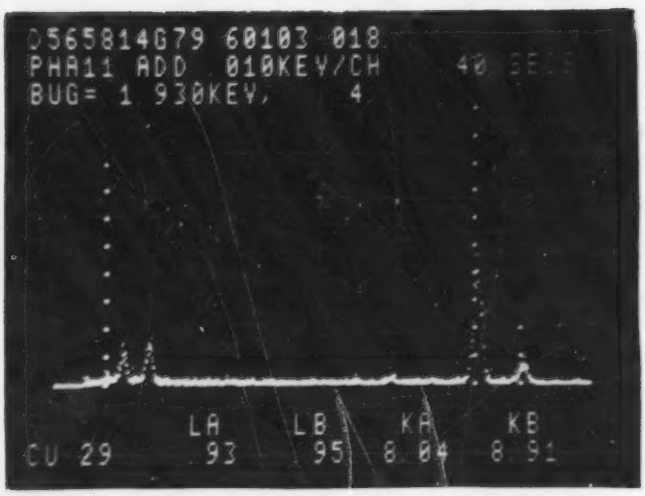


Non-dispersive X-Ray Spectra of Fiber 53

Figure B-18. 2nd Composite; Cardinal Stone Co.

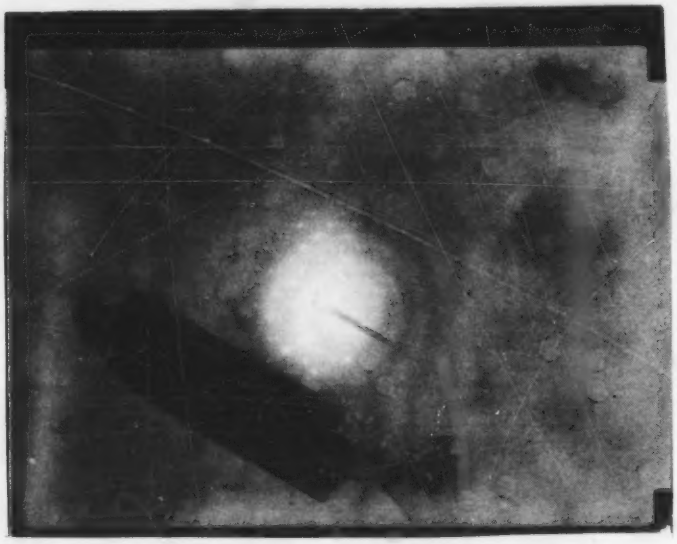
Electron Micrograph of Fiber 11

Figure B-19. 3rd Composite; Cardinal Stone Co.

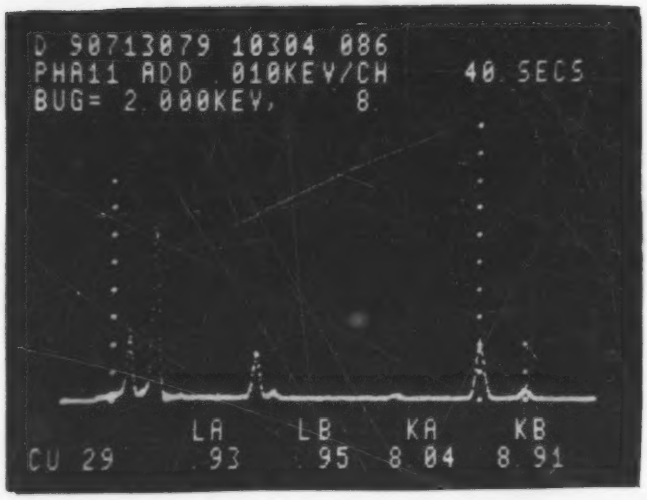


Non-dispersive X-Ray Spectra of Fiber 18

Figure B-20. 3rd Composite--Tumbled; Cardinal Stone Co.



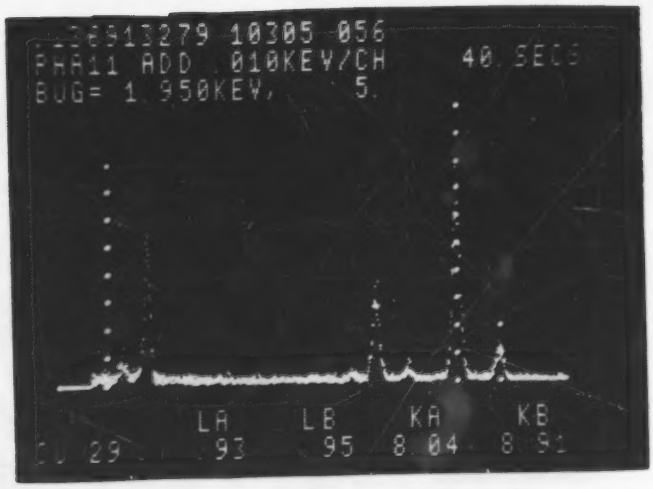
Electron Micrograph of Fiber 86



Non-dispersive X-Ray Spectrum of Fiber 86

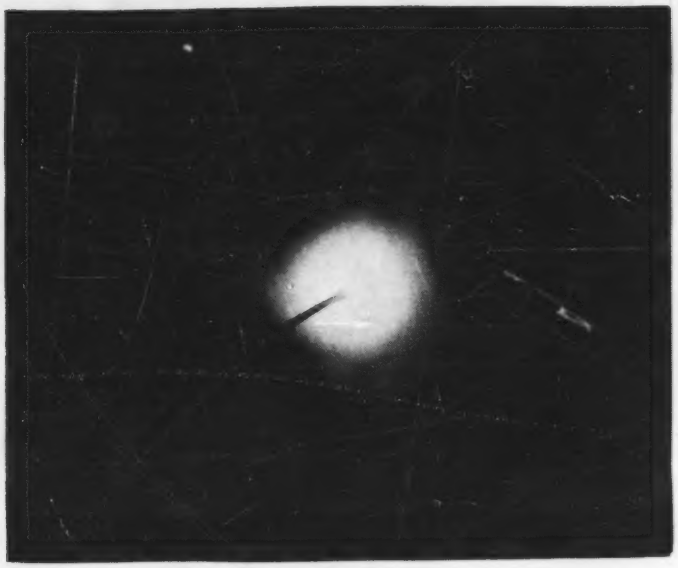
Figure B-21. 4th Composite; Cardinal Stone Co.

Electron Micrograph of Fiber 56

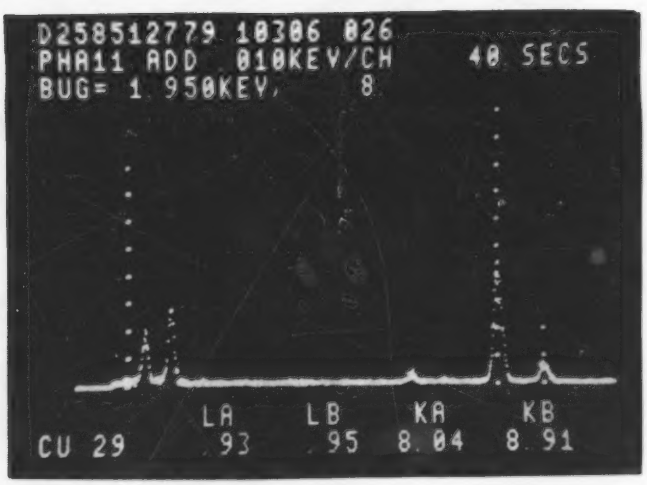


Non-dispersive X-Ray Spectra of Fiber 56

Figure B-22. 5th Composite; Cardinal Stone Co.

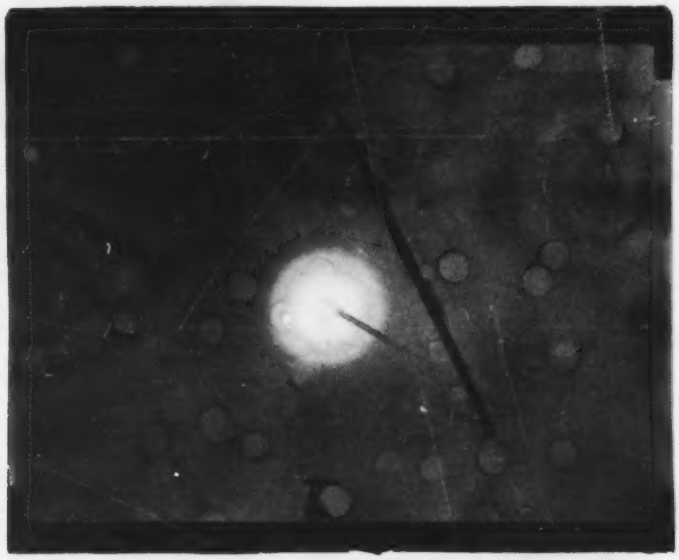


Electron Micrograph of Fiber 40

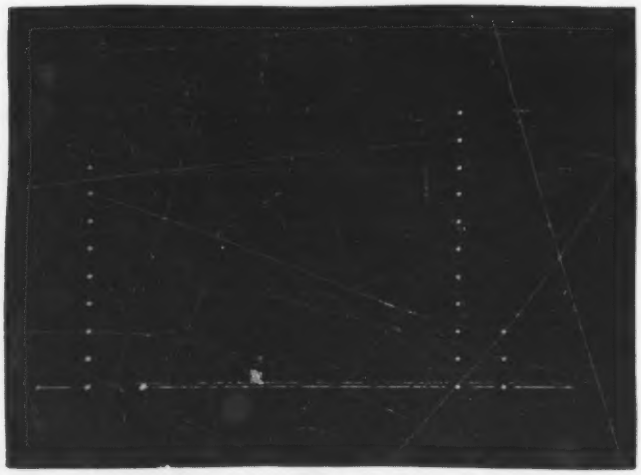


Non-dispersive X-Ray Spectra of Fiber 40

Figure B-23. 6th Composite; Cardinal Stone Co.

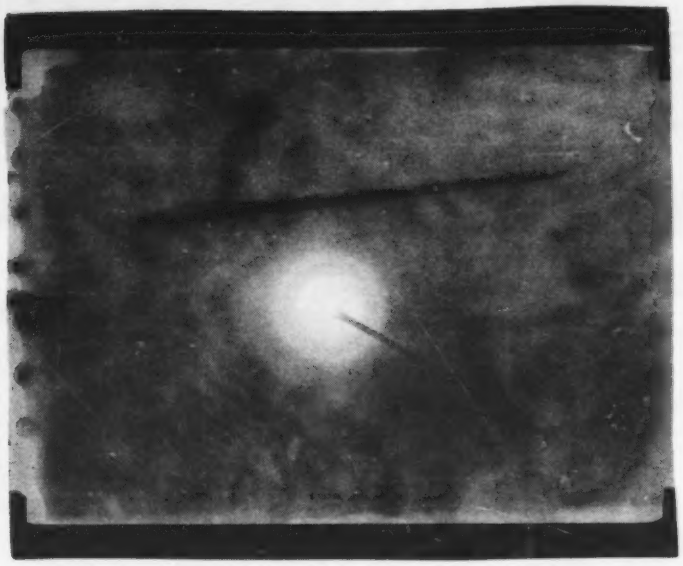


Electron Micrograph of Fiber 149

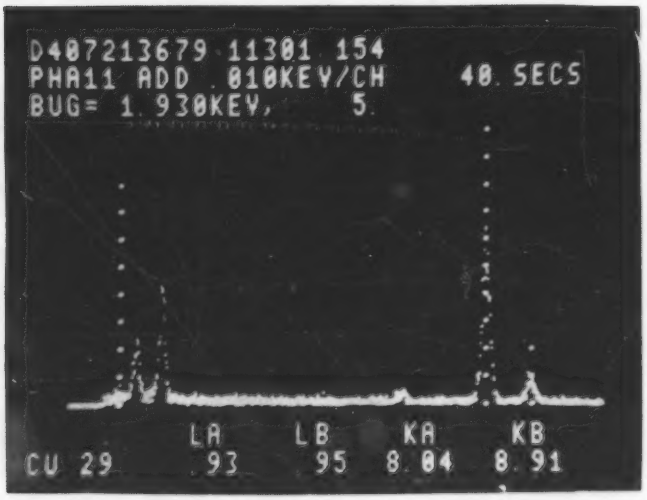


Non-dispersive X-Ray Spectra of Fiber 149

Figure B-24. 1st Composite; Raisch Products' Azevedo Quarry.

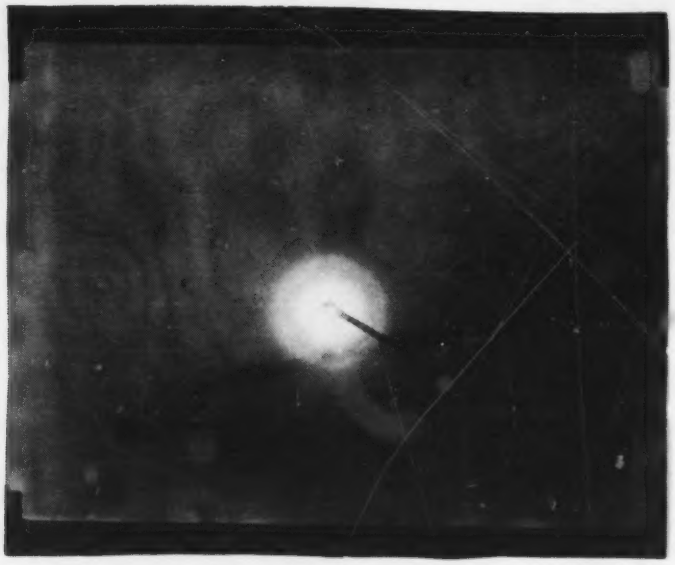


Electron Micrograph of Fiber 154

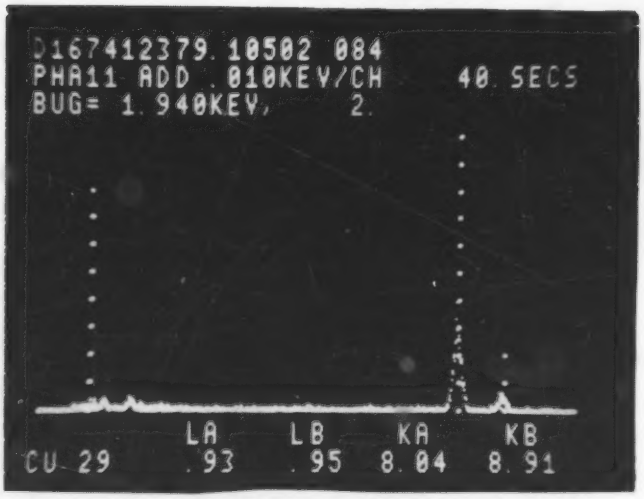


Non-dispersive X-Ray Spectra of Fiber 154

Figure B-25. 1st Composite--Tumbled; Raisch Products' Azevedo Quarry.

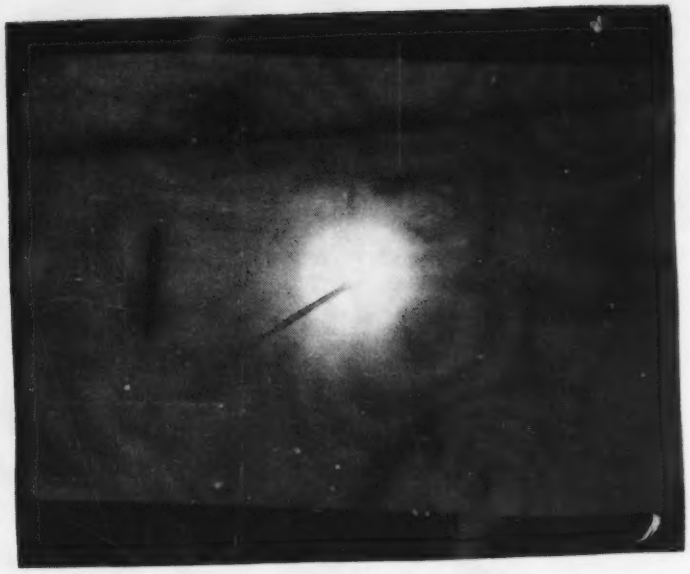


Electron Micrograph of Fiber 84

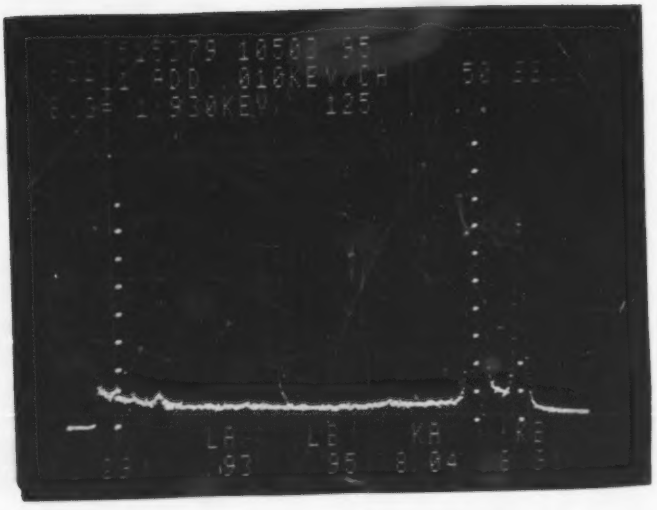


Non-dispersive X-Ray Spectrum of Fiber 84

Figure B-26. 2nd Composite; Raisch Products' Azevedo Quarry.

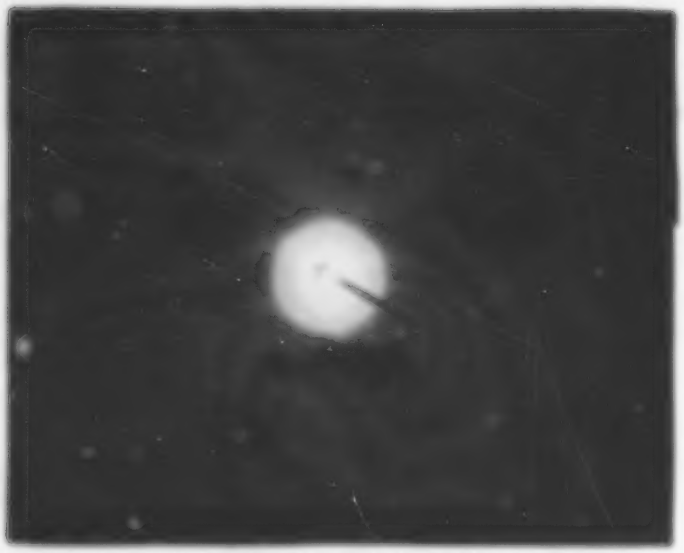


Electron Micrograph of Fiber 95

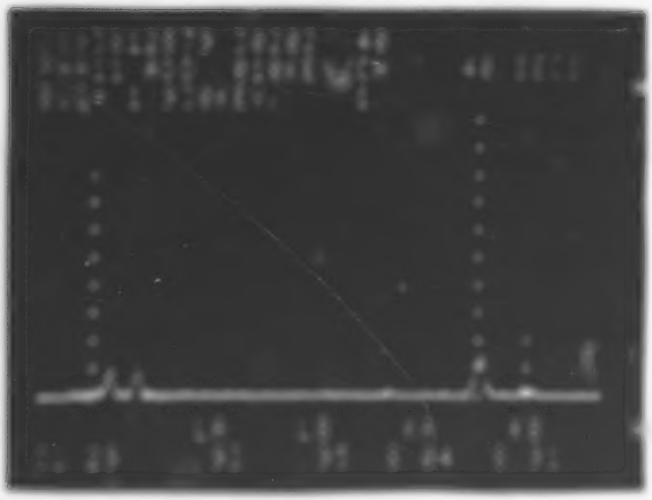


Non-dispersive X-Ray Spectrum of Fiber 95

Figure B-27. 3rd Composite; Raisch Products' Azevedo Quarry.

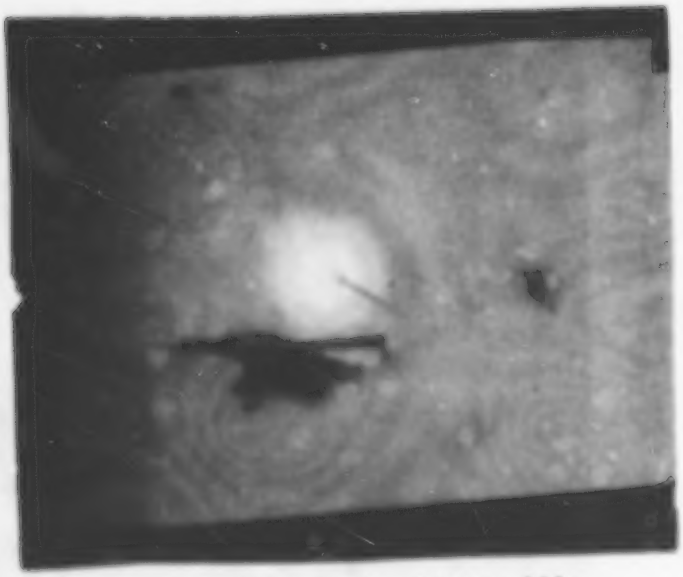


Electron Micrograph of Fiber 40

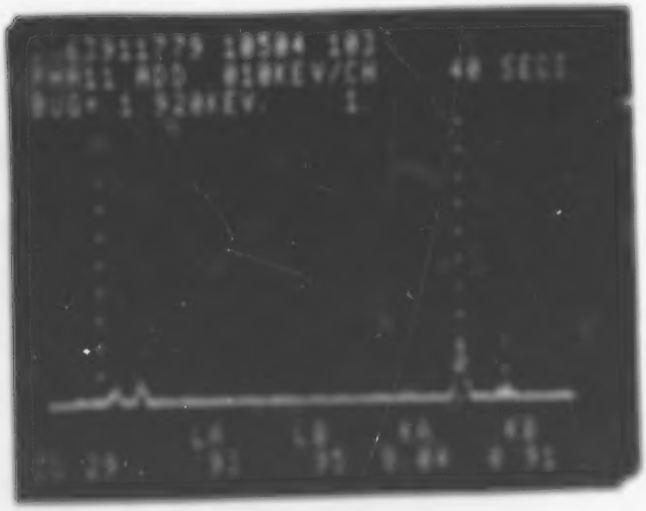


Non-dispersive X-Ray Spectrum of Fiber 40

Figure 8-28. 3rd Composite--Tumbled; Reisch Products' Azevedo Quarry.

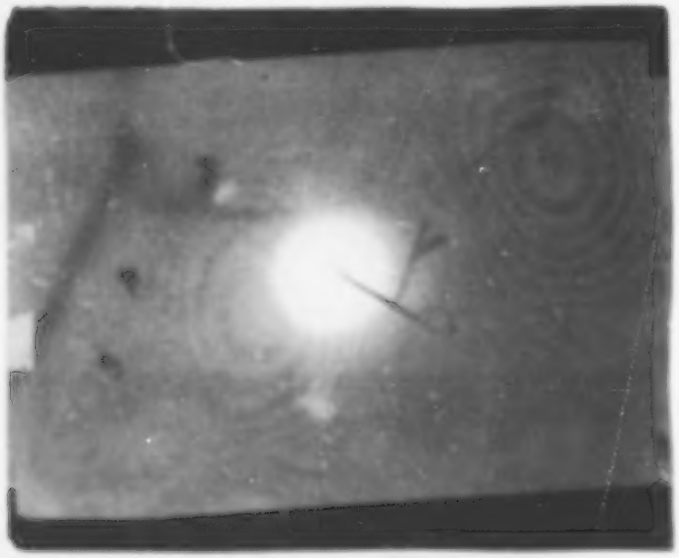


Electron Micrograph of Fiber 103

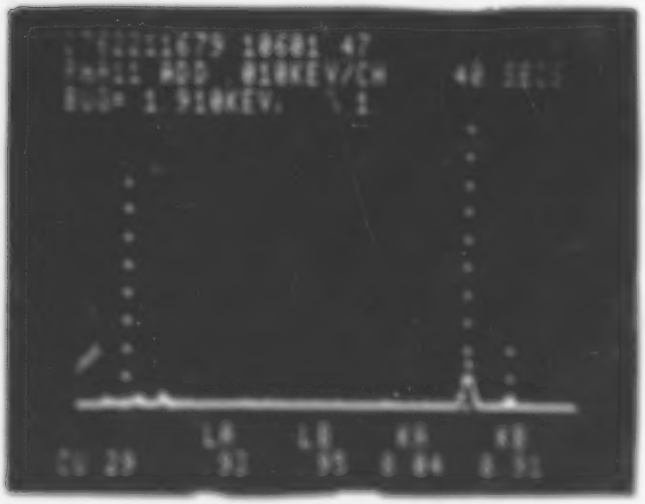


Non-dispersive X-Ray Spectrum of Fiber 103

Figure B-29. Asb Composite; Antioch Products' Acevedo Quarry.



Electron Micrograph of Fiber 47

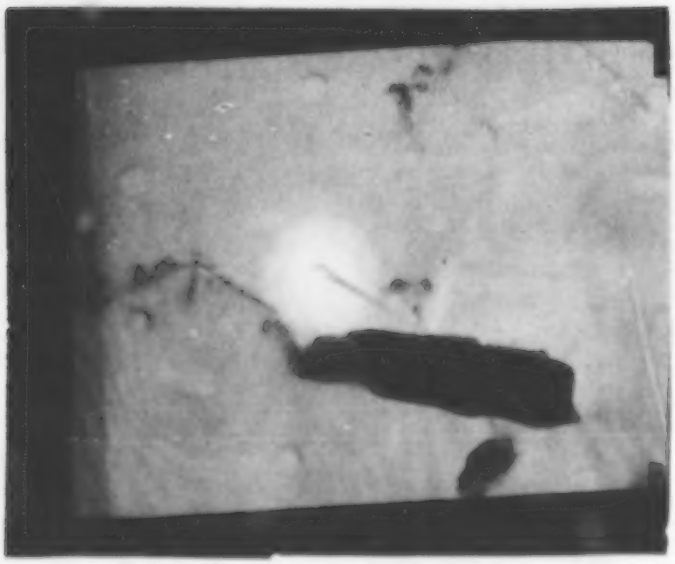


Non-dispersive X-Ray Spectrum of Fiber 47

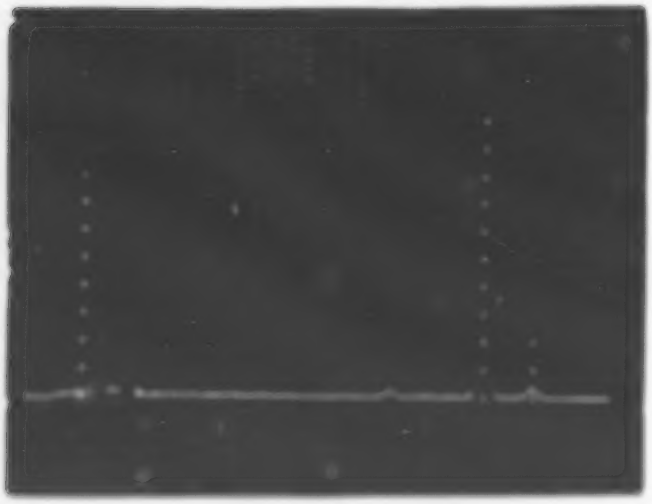
Figure B-XI. Ist Composite, Hillsdale Rock Co.'s Hillsdale Quarry.

Electron Micrograph of Fiber 64

Figure B-21. Jet Composite--Tumbled,
Millsdale Rock Co.'s Millsdale Quarry.

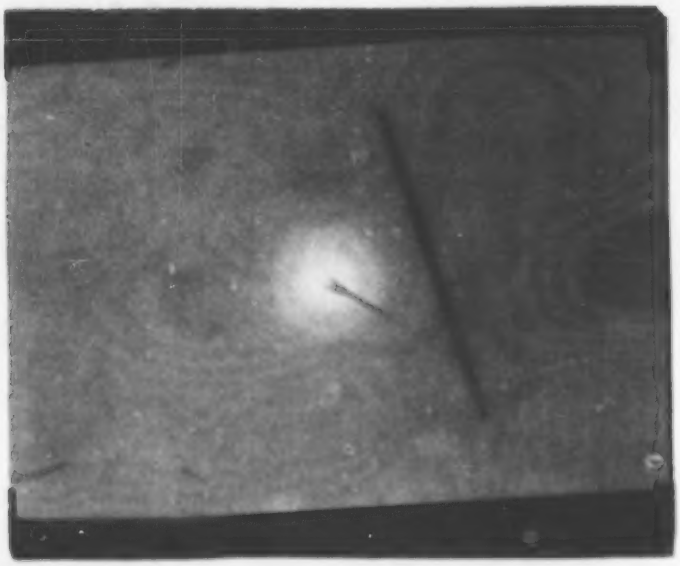


Electron Micrograph of Fiber 84

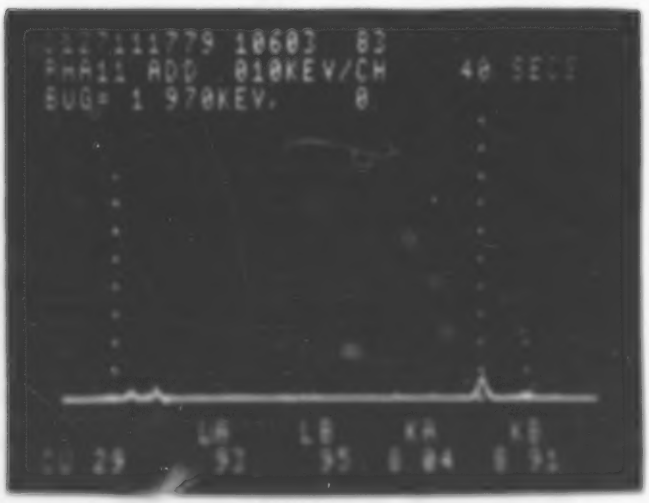


Non-dispersive X-Ray Spectrum of Fiber 84

Figure B-32. 2nd Composite, Hillsdale Rock Co.'s Hillsdale Quarry.

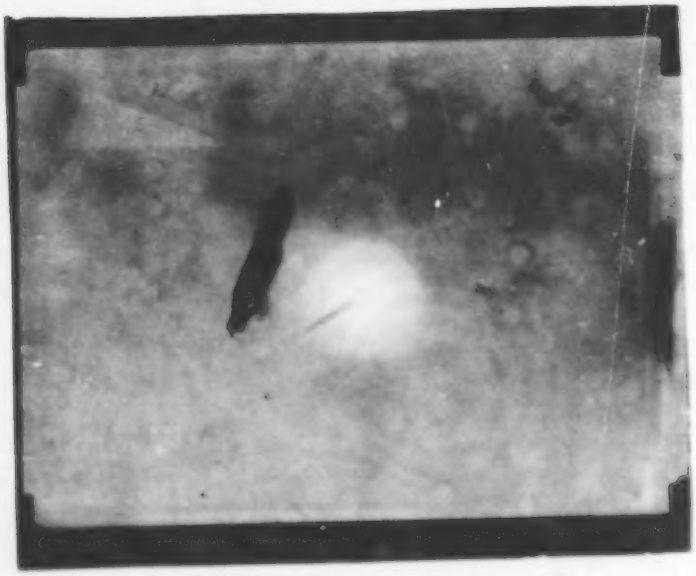


Electron Micrograph of Fiber 71

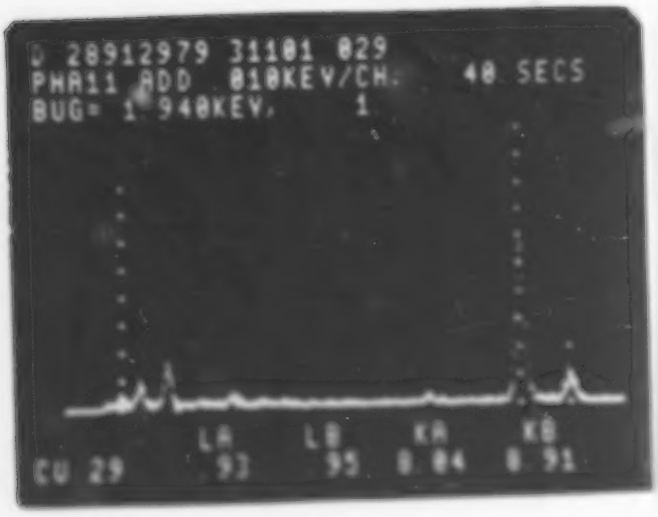


Non-dispersive X-Ray Spectrum of Fiber 71

Figure B-33. 3rd Composite; Hillsdale Rock Co.'s Hillsdale Quarry.

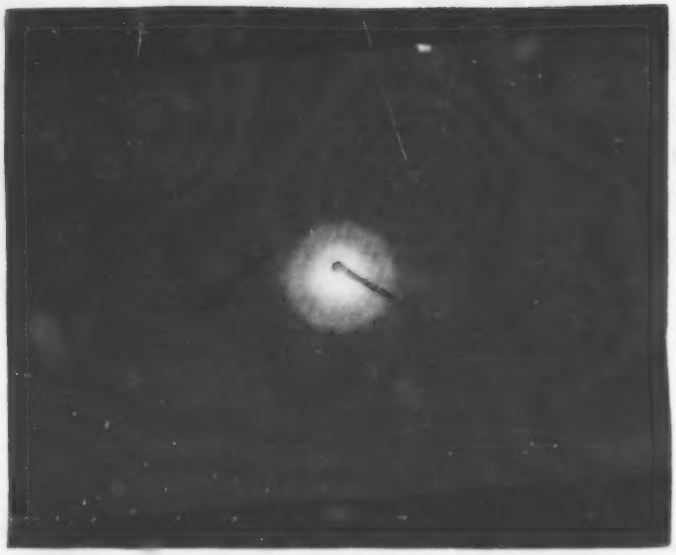


Electron Micrograph of Fiber 29

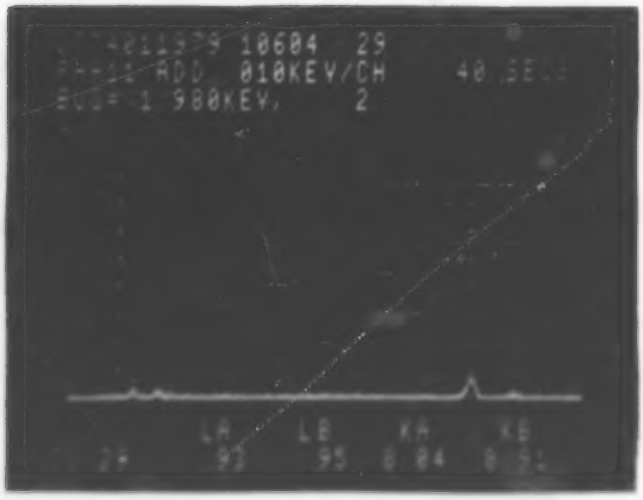


Non-dispersive X-Ray Spectrum of Fiber 29

Figure B-24. 3rd Composite--Tumbled, Hillsdale Rock Co.'s Hillsdale Quarry.



Electron Micrograph of Fiber 29



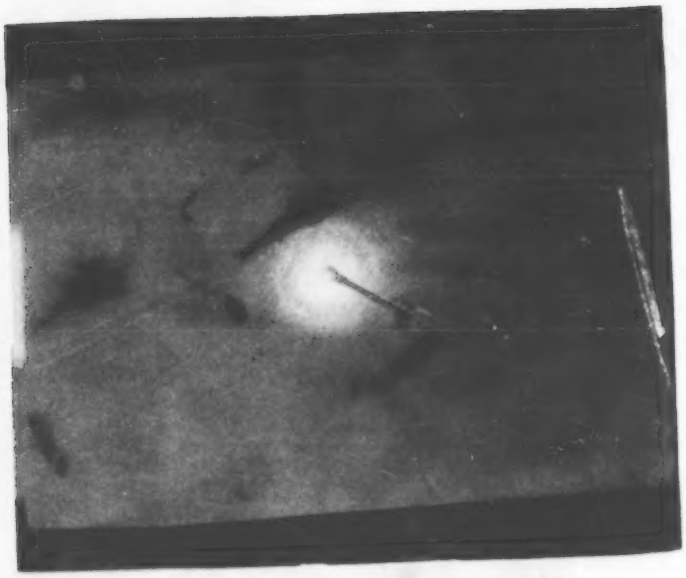
Non-dispersive X-Ray Spectrum of Fiber 29

Figure B-25. 4th Composite; Hillsdale Rock Co.'s Hillsdale Quarry.

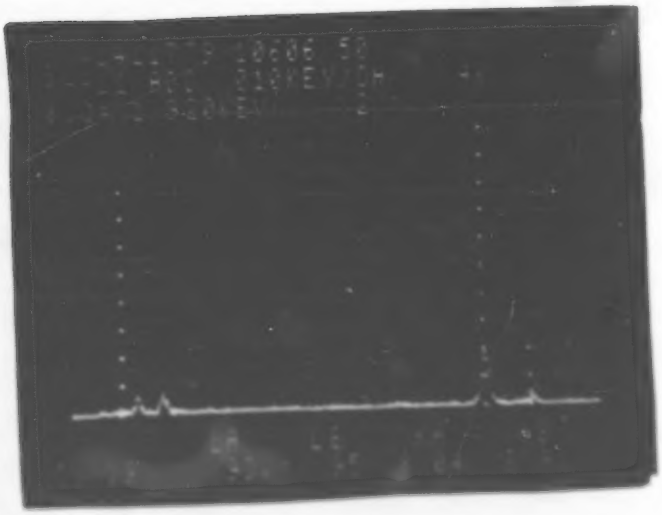
Electron Micrograph of Fiber 25

Non-dispersive X-Ray Spectra of Fiber 25

Figure B-36. 5th Composite; Hillsdale Rock Co.'s Hillsdale Quarry.

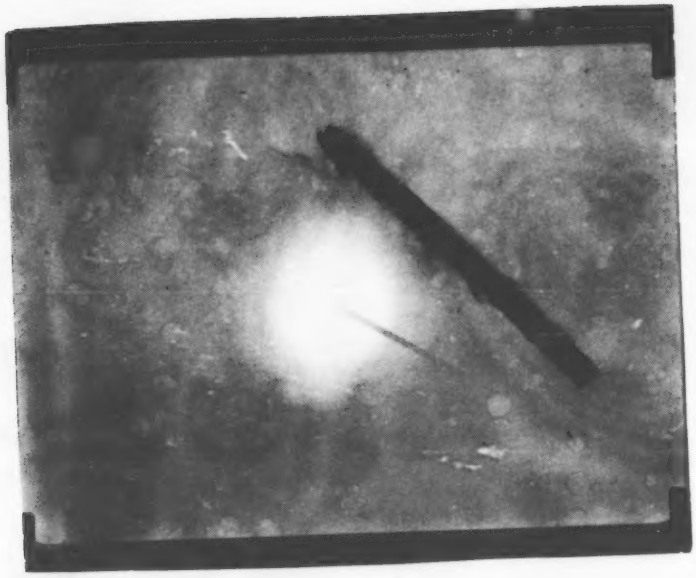


Electron Micrograph of Fiber 50

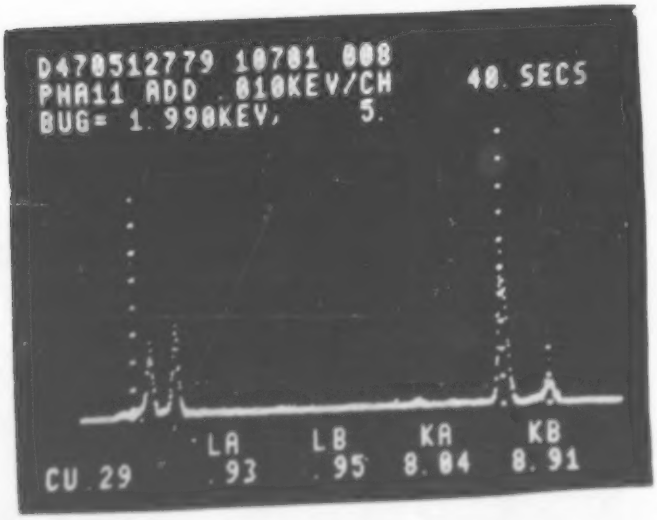


Non-dispersive X-Ray Spectrum of Fiber 50

Figure B-37. 6th Composite; Hillsdale Rock Co.'s Hillsdale Quarry.

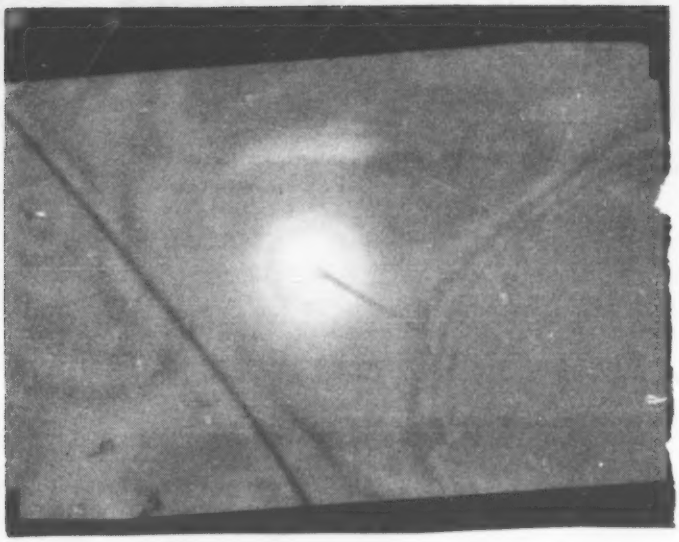


Electron Micrograph of Fiber 8

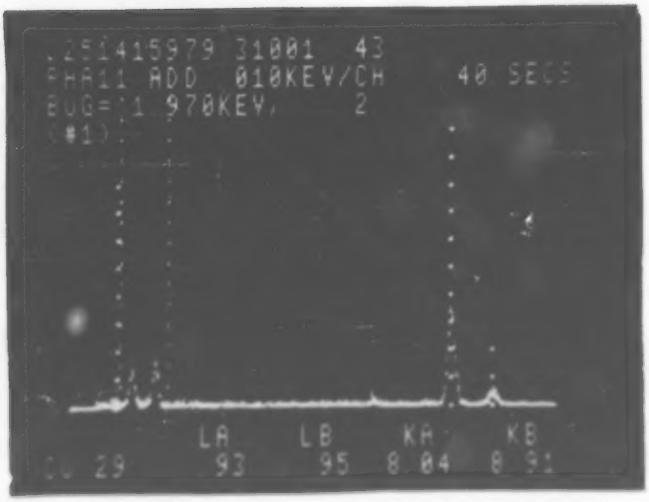


Non-dispersive X-Ray Spectrum of Fiber 8.

Flure B-38. Ist Composite; D.M. Stoltzfus & Son's Cedar Hill Plant.

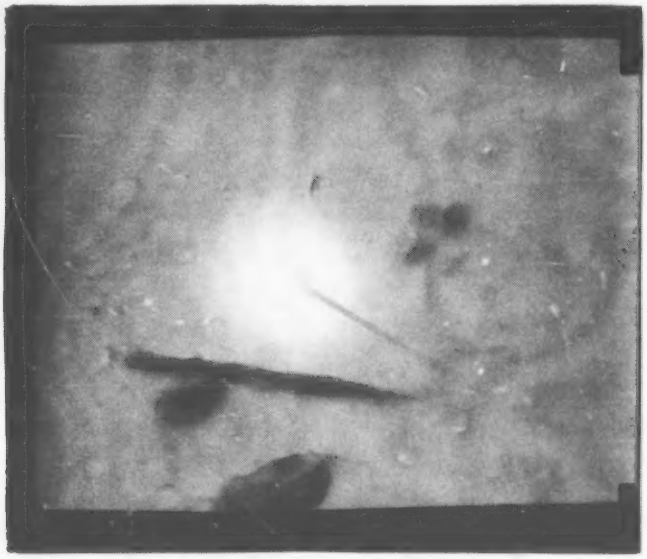


Electron Micrograph of Fiber 43

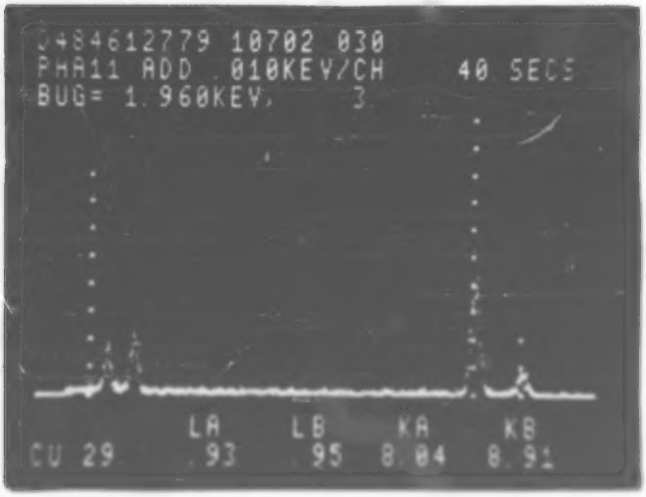


Non-dispersive X-Ray Spectrum of Fiber 43

Figure B-39. 1st Composite--Tumbled;
D.M. Stoltzfus & Son's Cedar Hill Plant.

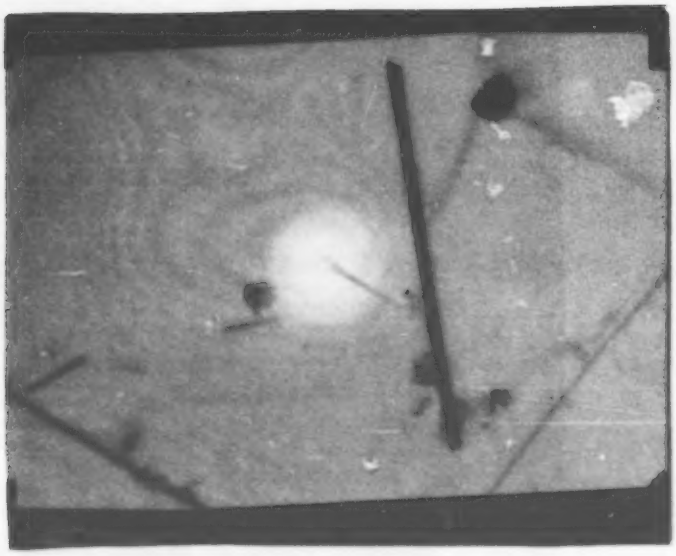


Electron Micrograph of Fiber 30

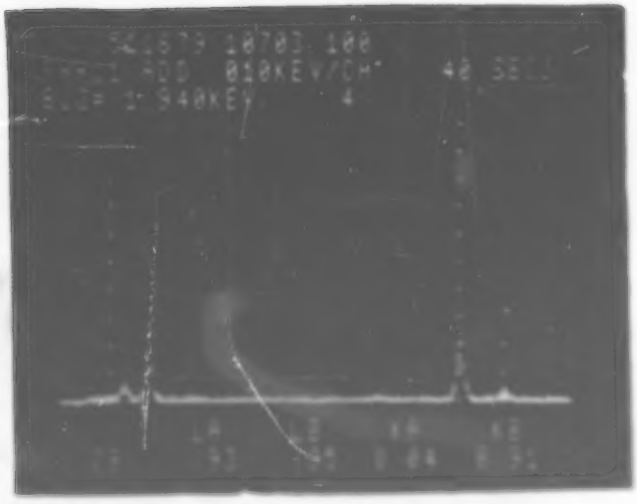


Non-dispersive X-Ray Spectrum of Fiber 30

Figure B-40. 2nd Composite; D.M. Stoltzfus & Son's Cedar Hill Plant.



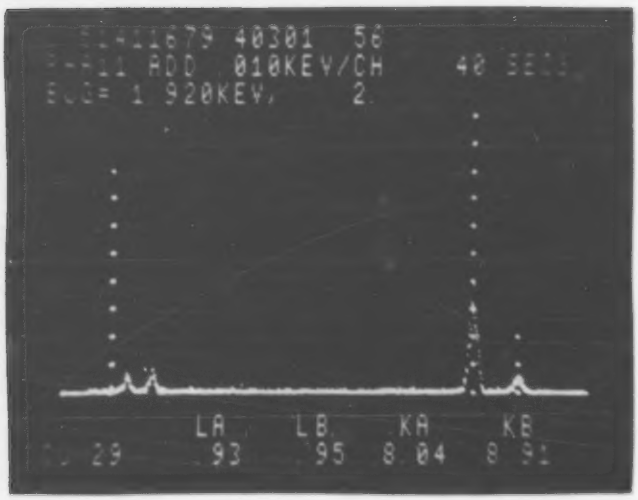
Electron Micrograph of Fiber 100



Non-dispersive X-Ray Spectrum of Fiber 100

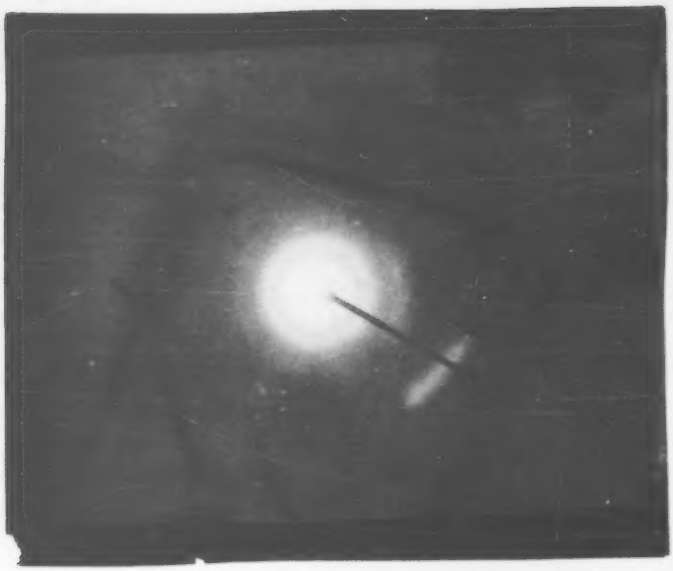
Figure B-41. 3rd Composite: D.M. Stoltzfus & Son's Cedar Hill Plant.

Electron Micrograph of Fiber 56

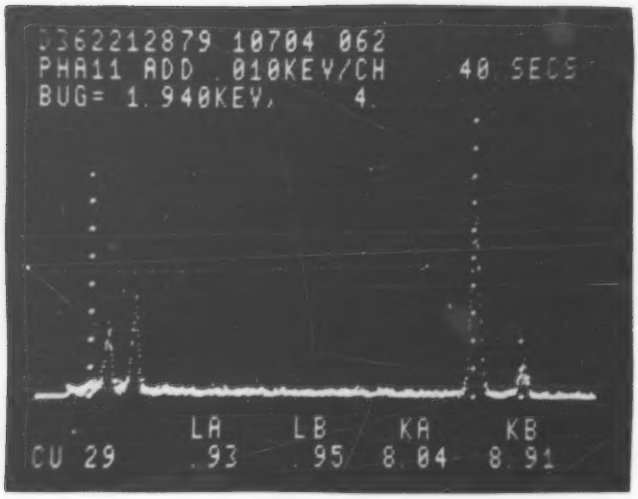


Non-dispersive X-Ray Spectrum of Fiber 56

Figure B-42. 3rd Composite--Tumbled;
D.M. Stoltzfus & Son's Cedar Hill Plant.

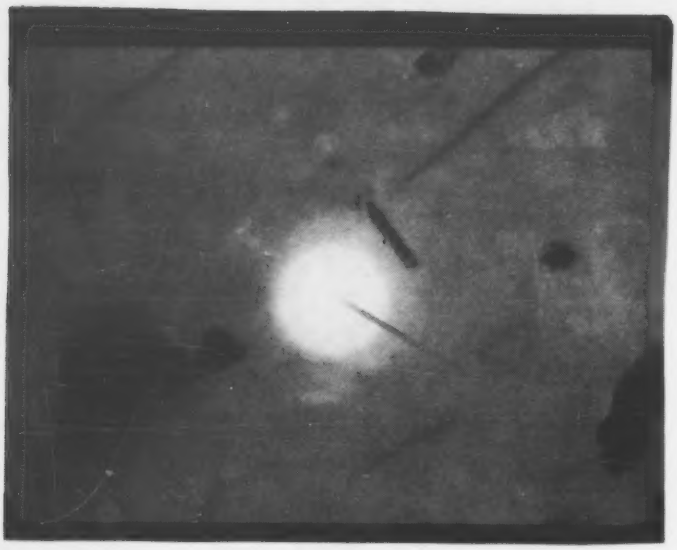


Electron Micrograph of Fiber 62

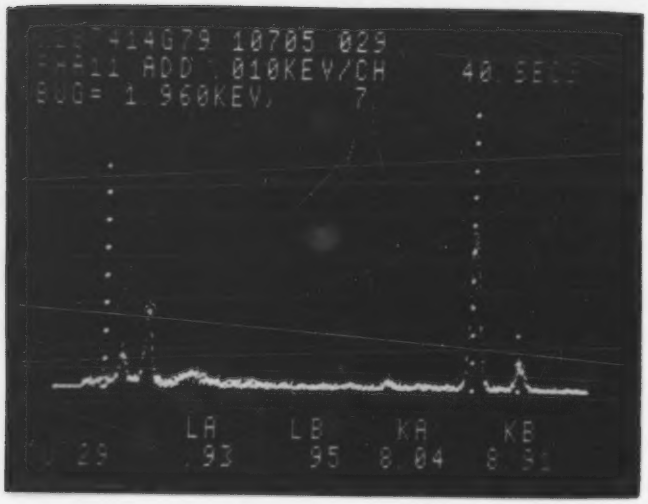


Non-dispersive X-Ray Spectrum of Fiber 62

Figure B-43. 4th Composite; D.M. Stoltzfus & Son's Cedar Hill Plant.



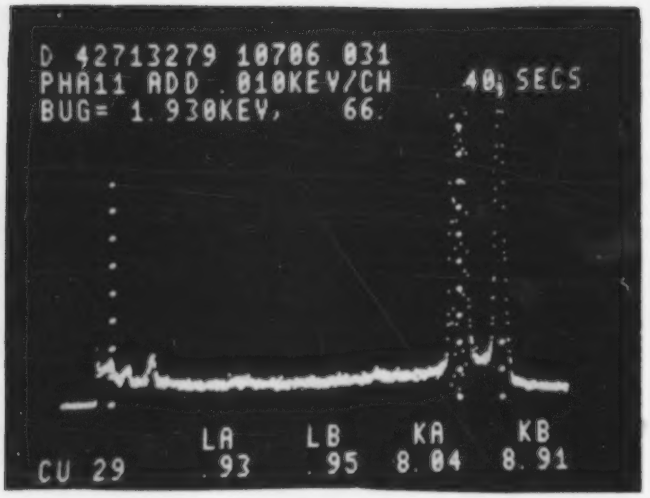
Electron Micrograph of Fiber 29



Non-dispersive X-Ray Spectrum of Fiber 29

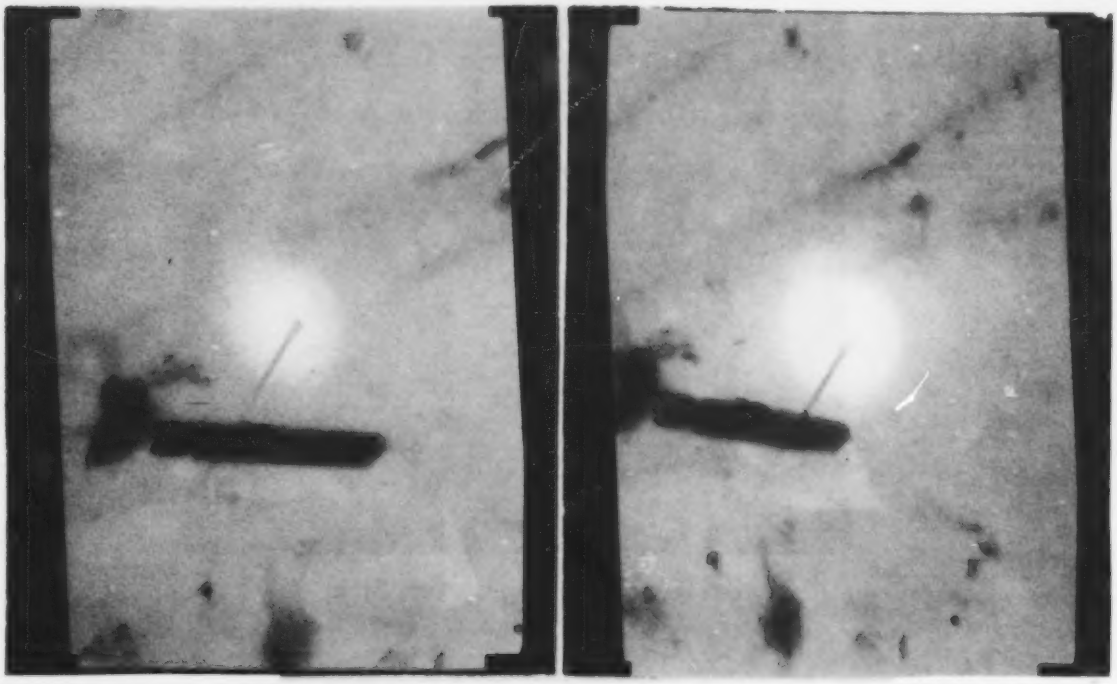
Figure B-44. 5th Composite; D.M. Stoltzfus & Son's Cedar Hill Plant.

Electron Micrograph of Fiber 31



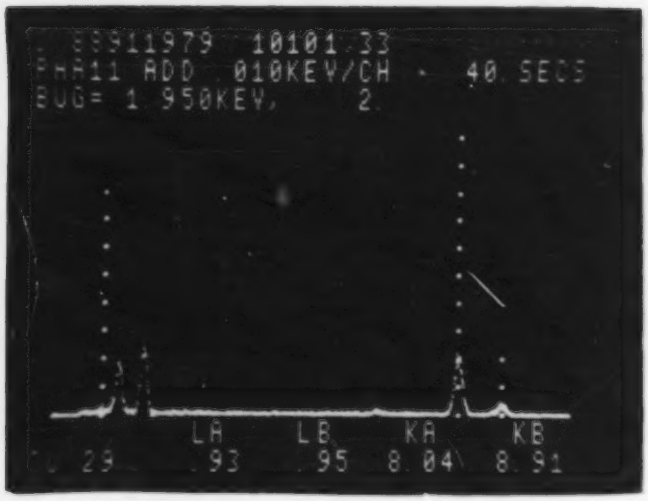
Non-dispersive X-Ray Spectra of Fiber 31

Figure B-45. 6th Composite; D.M. Stoltzfus & Son's Cedar Hill Plant.



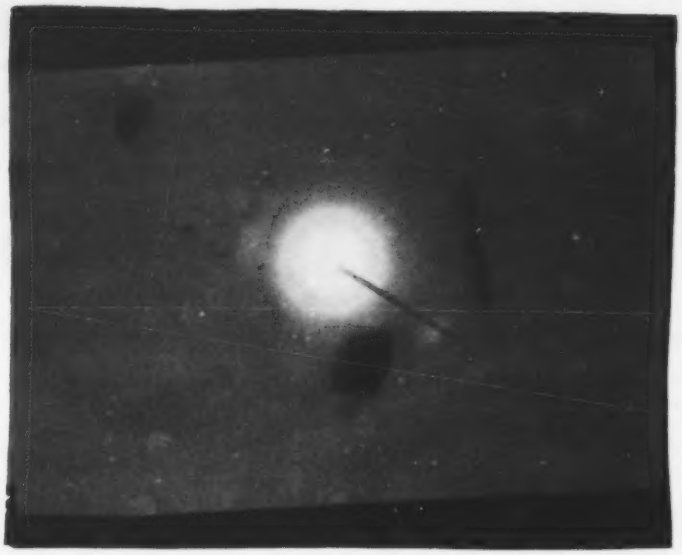
0° 40°

Electron Micrographs of Fiber 33

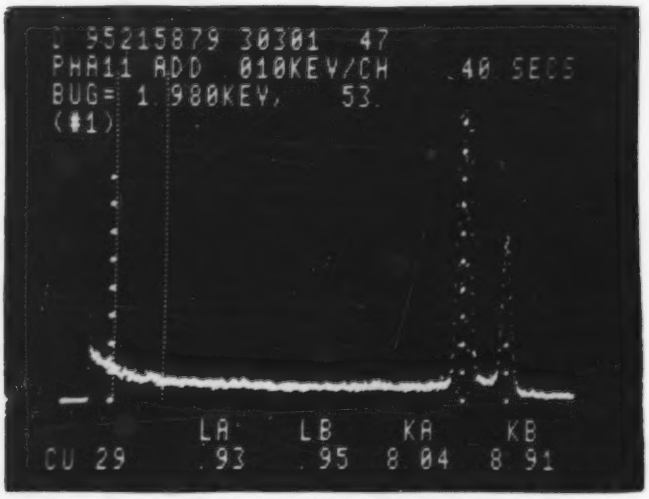


Non-dispersive X-Ray Spectra of Fiber 33

Figure B-46. 1st Composite; Arundel Corporation's Delight Plant.

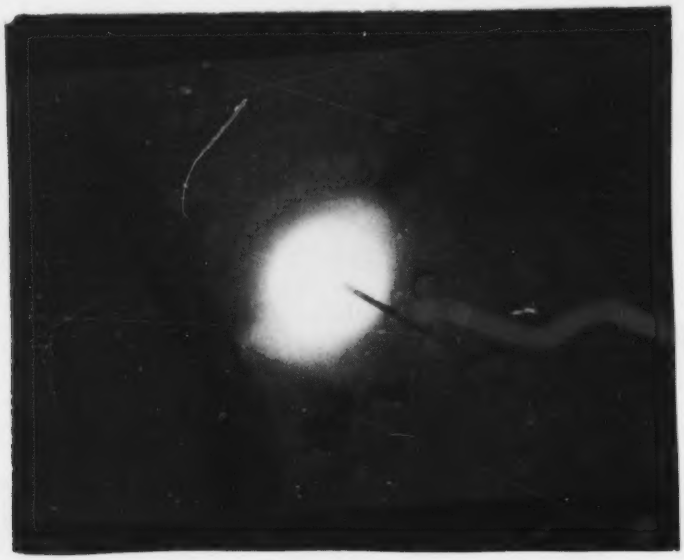


Electron Micrograph of Fiber 47

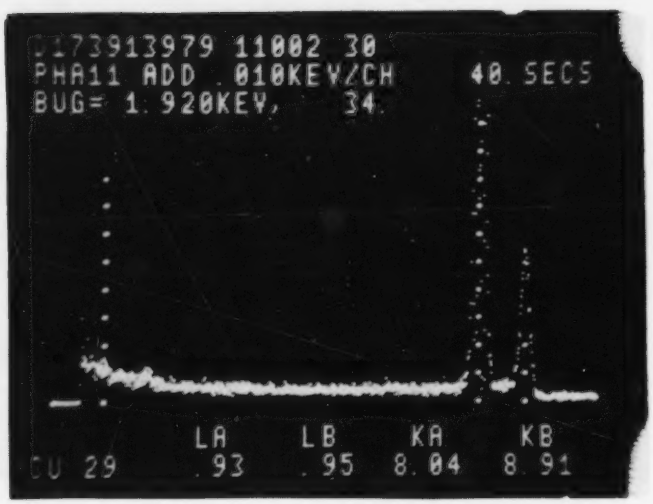


Non-dispersive X-Ray Spectrum of Fiber 47

Figure B-47. 1st Composite--Tumbled; Arundel Corporation's Delight Plant.



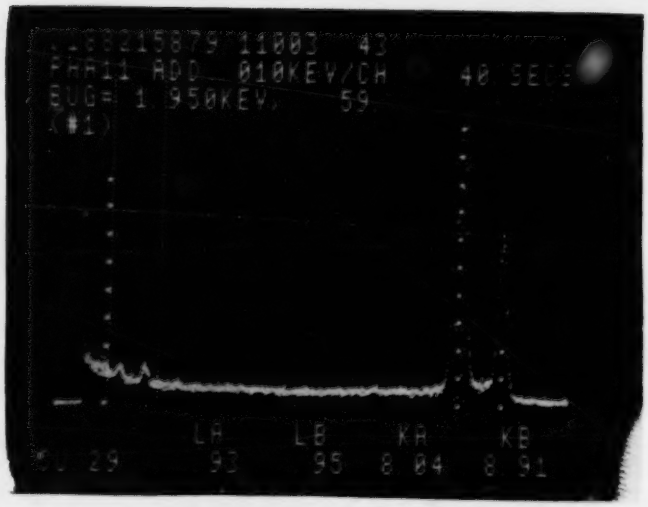
Electron Micrograph of Fiber 30



Non-dispersive X-Ray Spectrum of Fiber 30

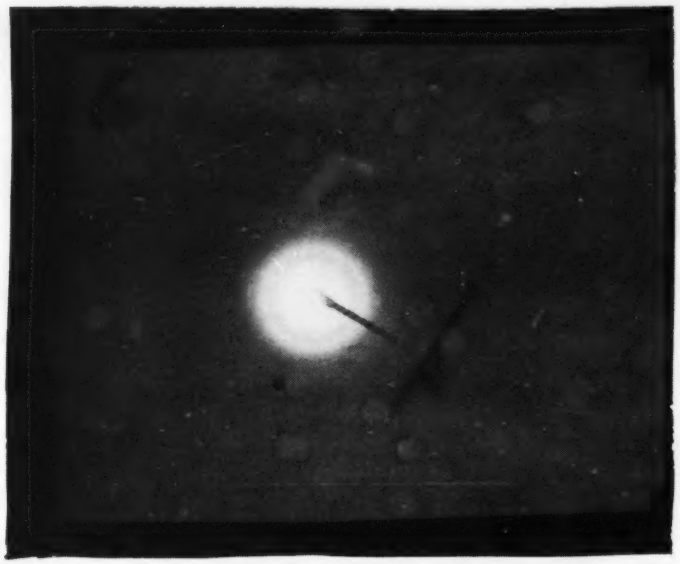
Figure B-48. 2nd Composite; Arundel Corporation's Delight Plant.

Electron Micrograph of Fiber 43

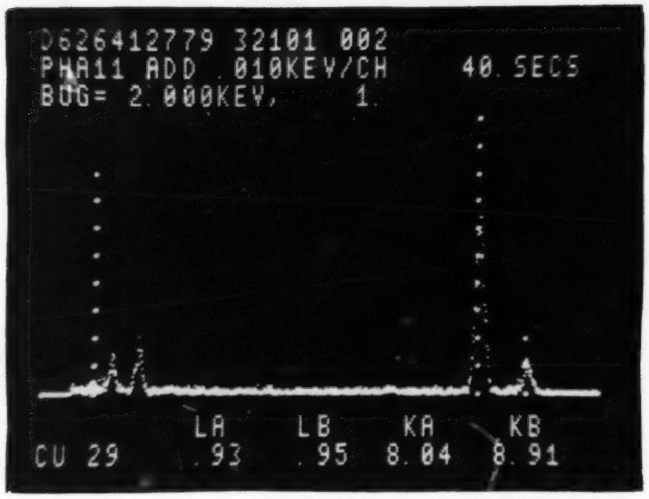


Non-dispersive X-Ray Spectrum of Fiber 43

Figure B-49. 3rd Composite; Arundel Corporation's Delight Plant.

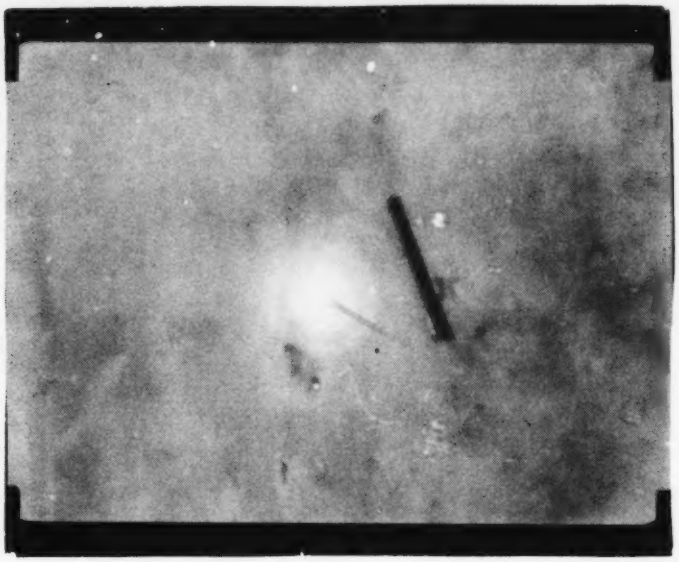


Electron Micrograph of Fiber 2

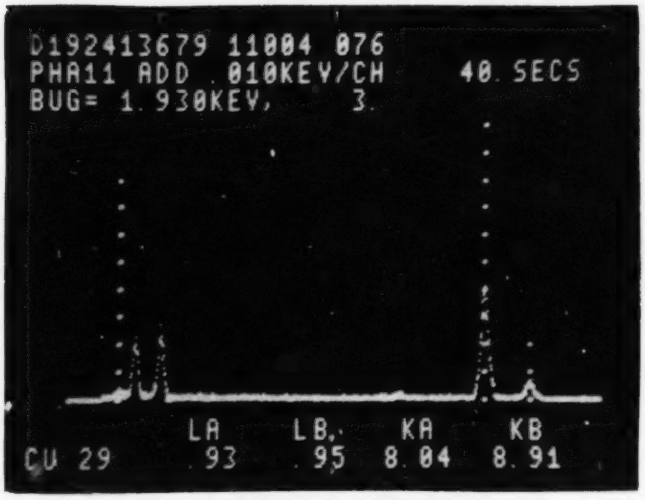


Non-dispersive X-Ray Spectrum of Fiber 2

Figure B-50. 3rd Composite--Tumbled; Arundel Corporation's Delight Plant.



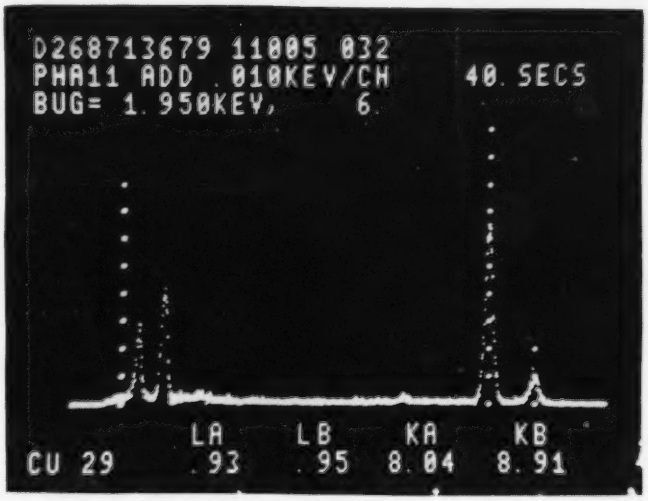
Electron Micrograph of Fiber 76



Non-dispersive X-Ray Spectrum of Fiber 76

Figure B-51. 4th Composite; Arundel Corporation's Delight Plant.

Electron Micrograph of Fiber 32



Non-dispersive X-Ray Spectrum of Fiber 32

Figure B-52. 5th Composite; Arundel Corporation's Delight Plan